CL5000 Series

User's Manual

Rev 2006.03.13

Table of Contents

1. GENERAL 8
1.1 PRECAUTIONS 8
1.2 INTRODUCTIONS 10
1.3 SPECIFICATIONS 11
1.4 NAME AND FUNCTIONS 13
1.5 Basic set-up 15
1.6 SYMBOLS 16
1.7 KEY FUNCTIONS 16
1.8 Installation of the Label Roll 20
2. PROGRAMMING 23
2.1 PLU Programming 26
2.1.1 Create By-Weight PLU (Menu code 1120) 27
2.1.2 Create By-Count PLU (Menu code 1120) 34
2.1.3 Create By-PCS PLU (Menu code 1120) 39
2.1.4 Editing PLU (Menu code 1120) 43
2.1.5 Sample Printing (Menu code 1170) 44
2.1.6 Listing PLU (Menu code 1150) 44
2.1.7 Copying PLU (Menu code 1141) 44
2.1.8 Deleting PLU (Menu code 1142) 45
2.1.9 Moving PLU (Menu code 1143) 45
2.1.10 Selecting PLU Items (Menu code 1144) 46
2.1.11 PLU Sale Count (Menu code 1145) 46
2.2. Programming PLU Data Table I 47
2.2.1 Department (Menu code 1210) 47
2.2.2 New/Edit Department (Menu code 1211) 47
2.2.3 List Department (Menu code 1212) 48
2.2.4 Delete Department (Menu code 1213) 48
2.2.5 Group (Menu code 1220) 48
2.2.6 New/Edit Group (Menu code 1221) 49
2.2.7 List Group (Menu code 1222) 49
2.2.8 Delete Group (Menu code 1223) 49
2.2.9 Tax Rate (Menu code 1230) 50
2.2.10 New/Edit Tax Rate (Menu code 1231) 50
2.2.11 List Tax Rate (Menu code 1232) 51
2.2.12 Delete Tax Rate (Menu code 1233) 51
2.2.13 Sales Message (Menu code 1240) 51
2.2.14 New/Edit Sales Message (Menu code 1241) 52

2.2.15 List Sales Message (Menu code 1242) 52
2.2.16 Delete Sales Message (Menu code 1243) 53
2.2.17 Origin (Menu code 1250) 53
2.2.18 New/Edit Origin (Menu code 1251) 53
2.2.19 List Origin (Menu code 1252) 54
2.2.20 Delete Origin (Menu code 1253) 54
2.2.21 Barcode (Menu code 1260) 54
2.2.22 New/Edit Barcode (Menu code 1261) 55
2.2.23 List Barcode (Menu code 1262) 57
2.2.24 Delete Barcode (Menu code 1263) 57
2.2.25 Tare (Menu code 1270) 57
2.2.26 New/Edit Tare (Menu code 1271) 58
2.2.27 List Tare (Menu code 1272) 59
2.2.28 Delete Tare (Menu code 1273) 59
2.2.29 Tare Key (Menu code 1274) 60
2.2.30 Unit Symbol (Menu code 1280) 60
2.2.31 New/Edit Unit Symbol (Menu code 1281) 60
2.2.32 List Unit Symbol (Menu code 1282) 61
2.2.33 Delete Unit Symbol (Menu code 1283) 61
2.3 Programming PLU Data Table II 62
2.3.1 Ingredient (Menu code 1310) 62
2.3.2 New/Edit Ingredient (Menu code 1311) 62
2.3.3 List Ingredient (Menu code 1312) 63
2.3.4 Delete Ingredient (Menu code 1313) 63
2.3.5 Nutrition Facts (Menu code 1320) 63
2.3.6 New/Edit Nutrition Facts (Menu code 1321) 64
2.3.7 List Nutrition Facts (Menu code 1322) 67
2.3.8 Delete Nutrition Facts (Menu code 1323) 67
2.4 Discount Programming 68
2.4.1 Discount (Menu code 1130) 68
2.4.2 New/Edit Discount (Menu code 1131) 68
2.4.3 List Discount (Menu code 1132) 70
2.4.4 Delete Discount (Menu code 1133) 71
2.4.5 Delete by PLU No. (DC) (Menu code 1137) 71
2.4.6 Delete by Dept. No. (DC) (Menu code 1138) 71
2.4.7 Delete ALL (DC) (Menu code 1139) 72
2.5 Global Discount Programming 73
2.5.1 Global Discount (Menu code 1530) 73
2.5.2 Priority Setting (Menu code 1531) 73

2.5.3 Weight/Count/PCS Discount (Menu code 1532/1533/1534) 73
2.6 Speed Key Setting 74
2.6.1 Speed Key (Menu code 1160) 74
2.7 Traceability 75
2.7.1 Traceability (Menu code 1330) 75
2.7.2 New/Edit Traceability (Menu code 1331) 75
2.7.3 List Traceability (Menu code 1332) 76
2.7.4 Delete Traceability (Menu code 1333) 76
2.8 Country Programming 77
2.8.1 Country (Menu code 1340) 77
2.8.2 New/Edit Country (Menu code 1341) 77
2.8.3 List Country (Menu code 1342) 77
2.8.4 Delete Country (Menu code 1343) 78
2.9 Programming Slaughter House 78
2.9.1 Slaughter House (Menu code 1350) 78
2.9.2 New/Edit Slaughter House (Menu code 1351) 78
2.9.3 List Slaughter House (Menu code 1352) 79
2.9.4 Delete Slaughter House (Menu code 1353) 79
2.10 Programming Cutting Hall 79
2.10.1 Cutting Hall (Menu code 1360) 79
2.10.2 New/Edit Cutting Hall (Menu code 1361) 79
2.10.3 List Cutting Hall (Menu code 1362) 80
2.10.4 Delete Cutting Hall (Menu code 1363) 80
2.11 Programming Store Data 81
2.11.1 Store Data (Menu code 1410) 81
2.11.2 New/Edit Store (Menu code 1411) 81
2.11.3 List Store (Menu code 1412) 82
2.11.4 Delete Store (Menu code 1413) 82
2.11.5 Customer (Menu code 1420) 82
2.11.6 New/Edit Customer (Menu code 1421) 83
2.11.7 List Customer (Menu code 1422) 83
2.11.8 Delete Customer (Menu code 1423) 84
2.11.9 Scroll Message (Menu code 1430) 84
2.11.10 Configuration (Menu Code 1431) 84
2.11.11 Edit Scroll Message (Menu Code 1432) 85
2.11.12 List Scroll Message (Menu Code 1433) 86
2.11.13 Currency (Menu code 1440) 86
2.11.14 New/Edit Currency (Menu Code 1441) 86
2.11.15 List Currency (Menu Code 1442) 88

2.11.16 Delete Currency (Menu code 1443) 88
2.12 Programming Global Setting 89
2.12.1 Global Label Format (Menu code 1510) 89
2.12.2 Barcode Format (Menu code 1520) 90
2.13 Printing Programming 93
2.13.1 Printing (Menu code 1700) 93
2.13.2 Print label item (Menu code 1710) 93
2.13.3 Markdown (Menu code 1720) 95
2.13.4 Printer Hardware (Menu code 1730) 96
2.13.5 Print Mode (Menu code 1731) 96
2.13.6 Label Size/Ticket Size (Menu code 1732) 97
2.13.7 Sensor Calibration (Menu code 1733) 97
2.13.8 Sensor & Motor (Menu code 1734) 97
2.13.9 Print Intensity (Menu code 1735) 97
2.13.10 Adjust Feed Length (Menu code 1736) 98
2.13.11 Label Preprint (Menu code 1737) 98
2.13.12 Serial Number Format (Menu code 1740) 98
2.13.13 Add-Up Total (Menu code 1750) 100
2.13.14 Ticket (Menu code 1760) 100
2.13.15 Select Ticket Item (Menu code 1761) 101
2.13.16 Select List Item (Menu code 1762) 102
2.14 Programming Scale Configuration 104
2.14.1 Scale Configuration (Menu code 1800) 104
2.14.2 Sale Mode (Menu code 1810) 104
2.14.3 Operation Mode (Menu code 1820) 106
2.14.4 Department (Menu code 1830) 106
2.14.5 Date & Time (Menu code 1840) 107
2.14.6 User/ Security Configuration (Menu code 1850) 108
2.14.7 New/Edit User(Menu code 1851) 108
2.14.8 Change Password (Menu code 1852) 109
2.14.9 List User (Menu code 1853) 109
2.14.10 Delete User (Menu code 1854) 110
2.14.11 Config Permission (Menu code 1855) 110
2.14.12 Clerk Key (Menu code 1856) 112
2.14.13 Test (Menu code 1860) 112
2.14.14 Display Test (Menu code 1861) 113
2.14.15 A/D Test (Menu code 1862) 113
2.14.16 Keyboard Test (Menu code 1863) 113
2.14.17 Chess Printer Test (Menu code 1864) 113

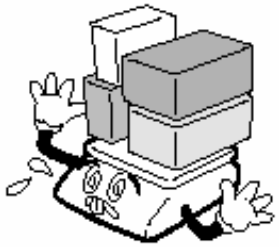
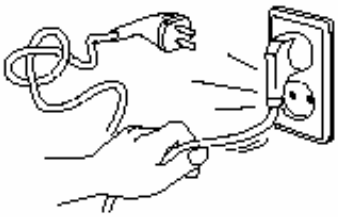
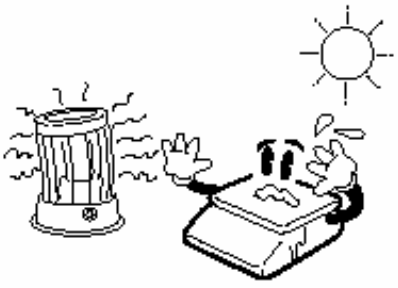
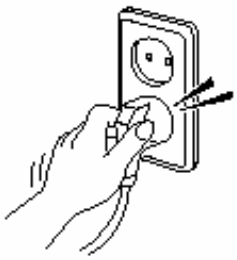
2.14.18 Printer Sensor Test (Menu code 1865) 114
2.14.19 Memory Information (Menu code 1866) 114
2.14.20 Firmware Version (Menu code 1867) 114
2.14.21 Scale Parameter (Menu code 1870) 115
2.14.22 Function Key Define (Menu code 1880) 116
2.15 Report 118
2.15.1 Introduction 118
2.15.2 Report Menu (Menu code 1600) 118
2.15.3 X1/X2 Report (Menu code 1610/1630) 118
2.15.4 X1/X2 Scale Sales Report (Menu code 1611/1613) 119
2.15.5 X1/X2 PLU Report (Menu code 1612/1632) 121
2.15.6 X1/X2 Miscellaneous PLU Report (Menu code 1613/1633) 123
2.15.7 X1/X2 Group Report (Menu code 1614/1644) 125
2.15.8 X1/X2 Deptment Sales Report (Menu code 1615/1635) 127
2.15.9 X1/X2 Hourly Sales Report (Menu code 1616/1636) 129
2.15.10 X1/X2 Clerk Sales Report (Menu code 1617/1637) 131
2.15.11 Z1/Z2 Report (Menu code 1620/1640) 133
2.15.12 Clear All Report (Menu code 1650) 134
3. SALES OPERATION 135
3.1 Basic Operation 135
3.2 Zero 135
3.3 Tare 136
3.3.1 Manual Tare Entry 136
3.3.2 Weighed Tare Entry 136
3.3.3 How to Clear Tare 137
3.3.4 Preset Tare 137
3.4 Calling Up a PLU 137
3.4.1 Using Numeric Key 137
3.4.2 Using Speed Key 138
3.5 Override (FOR key) 138
3.5.1 By-Weight PLU 138
3.5.2 By-Count PLU 139
3.5.3 By-PCS PLU 140
3.6 Sales Operation 141
3.6.1 Weighed Item Operation 141
3.6.2 By Count Item 143
3.6.3 By PCS Item 143
3.7 Discount 144
3.7.1 Unit Price Discount - By Weight PLU 144

3.7.2 % Unit Price Discount - By Weight PLU 146
3.7.3 Unit Price Discount - By PCS PLU 147
3.8 Add-Up Transaction 149
3.9 Clerk Operation 151
3.9.1 Standard Clerk Operation 152
3.9.2 Floating Clerk Operations 153
3.10 Void 155
3.11 Payment & Change 156
3.12 Return 158
3.13 Prepack Key 159
3.14 X Key 160
3.14.1 By-Weight PLU 160
3.14.2 Non-Weighed PLU 162
3.15 How to Change Sell By Date/Time 162
3.16 How to Change Origin 163
3.17 How to Change PLU Type 163
3.18 Direct Discount 164
3.18.1 Fixed Price Key 164
3.18.2 % Discount Price Key 165
3.19 PLU Connection 165
3.19.1 Referenced PLU Function 165
3.19.2 Coupled PLU Function 166
3.19.3 Linked PLU Function 166
3.20 Sales Operation Control Parameters 166
3.20.1 Fixed Weight 166
3.20.2 Prepack Without Report 166
4. Appendix 167
4.1 Label Format 167
4.2 Label Format Sample 173
4.3 Label Field 174
4.3.1 Item Label Field 174
4.3.2 Total Label Field 177
4.4 ASCII Code Table 179
4.5 Window Character Set Information 180

1. GENERAL

1.1 PRECAUTIONS

Precautions when installing the scale. To ensure that you get the most from your scale, please follow these instruction.

⚠ Warning		
Do not disassemble the scale. When any damage or defect occurs, contact your CAS authorized dealer immediately for proper repair.	Do not overload beyond the maximum weight limit. 	Scale must be grounded to minimize electricity static. This will minimize defect or electric shock.
Do not pull the plug by its cord when unplugging. Damaged cord could cause electric shock or fire. 	To prevent from fire occurring, Do not place or use the scale near flammable or corrosive gas.	To reduce electric shock or incorrect reading, Do not spill water on the scale or place it in humid condition.
Avoid placing the scale near heater or in direct sunlight. 	Insert plug firmly to wall outlet to prevent electric shock. 	Use proper Adapter. Incorrect adapter could damage the scale.

Make sure to plug your scale into the proper power outlet. For maximum performance, plug into a power outlet 30 minutes before the usage for warm up.

⚠ Attention

For consistent and accurate reading, maintain periodical check by your CAS authorized dealer.

Avoid sudden shock to the scale. Internal mechanism could be damaged.

Grab on the bottom of the scale when moving. Do not hold by the platter.

Take the battery out when scale is not in use for long time. Leakage from the batteries is hazardous.

Place the scale on firm and temperature consistent environment.

By adjusting 4 corners of the scale, set the scale even using the built in scale leveling indicator.

Keep the scale away from other electromagnetic generating devices. This may interfere with accurate reading.

※ This equipment is indoor use and all the communication wirings are limited to inside of the building.

1.2 INTRODUCTIONS

Thank you for purchasing the CAS CL5000 price computing electronic printing scale. We have designed this equipment with many advanced features, high quality construction, and user-friendly menu driven programming. We are confident that you will find the CAS CL5000 scale will meet all of your most demanding needs.

Remember, for proper installation and maintenance please have your Authorized CAS Dealer do the primary installation, programming, and demonstration. Your CAS Authorized Dealer also has a wide variety of supplies, accessories, and expansion options for whatever your new and increasing demands may require. Authorized CAS dealers are trained to help you with every aspect of the CL5000 and should you need servicing, they are expertly trained by CAS to assist you with virtually any problem.

1.3 SPECIFICATIONS

Capacity	0~15 lb x 0.005 lb / 15~30 lb x 0.01 lb 0~6 kg x 0.002 kg / 6~15 kg x 0.005 kg	0~30 lb x 0.01 lb / 30~60 lb x 0.02 lb 0~15 kg x 0.005 kg / 15~30 kg x 0.01 kg
Max. Tare	- 9.995 lb	- 29.99 lb
A/D Conversion Rate	Approx. 8 times/sec.	
Measurement Type	Load Cell	
Platter Size	380 x 244 mm	

Key	Standard Type (B)	48 PLU key, 36 function key	Pole Type(P,R) Hanging Type(H)	72 PLU key, 36 function key
Speed Key		96 PLU		144 PLU
Display	24 digit VFD + Graphic LCD			
	Preset Tare : 4 digit Weight : 5 digit Unit Price : 6 digit Total Price : 6 digit			

Printer	Speed 100 mm/sec.
Printing Resolution	202 dpi
Label Size	Width: 40mm~60 mm Length: 30mm~120 mm
Barcode Type	UPC, EAN13, EAN13A5, I2OF5, CODE128, CODE39, CODE93, CODABAR MSI/PLESSEY, IATA2OF5
Font	Small, Middle, Large Size, Free Format, Italic, Bold, Underline, Through Line, Double through line, Reverse, shadow, outline
Printer Type	DIRECT THERMAL PRINT
Operating Temp.	-10° C~ 40° C (14° F~ 104° F)
Power	AC 100~240V 50/60Hz 1.5A

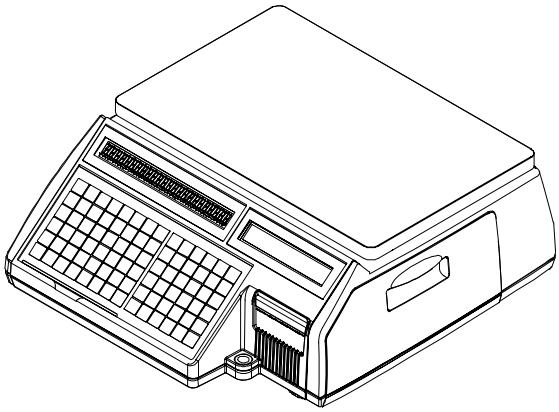
		Number	Range
Programmable Data	PLU	3000	1-99999
	Ingredient 510 character	999	1~999
	User Defined Barcode Format	99	1~99
	Department	99	1~99
	Tax Type	9	1~9
	Group	99	1~99
	Clerk	31	1~31
	Discount	99	1~99
	Origin	499	1~499
	Traceability	99	1~99
	Slaughter House	99	1~99
	Cutting Hall	99	1~99
	Traceability Country	99	1~99
	Label Format	45	Fixed
		20	Free Format
	Bitmap Image	14	
	Customer	99	1~99
	Quantity Symbol	8	1~8
	Scroll Message	9	1~9
	X1,X2,Z1,Z2 Report		
	Pay Type	7	
	Sales Message	99	1~99
	Nutrition fact	99	1~99
	Tare Table	99	1~99

Sales Period	Dual totals for daily/monthly or user selectable reporting period.
Sales Report Mode	Read: X1/X2 Mode, Read & Reset: Z1/Z2 Mode

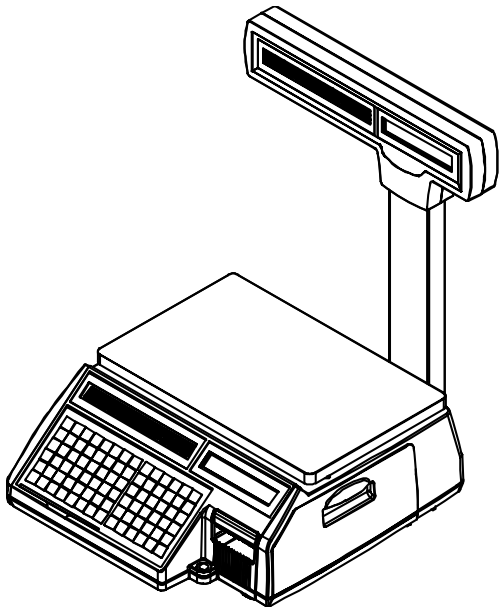
Note: Specifications are subject to change without notice.

1.4 NAME AND FUNCTIONS

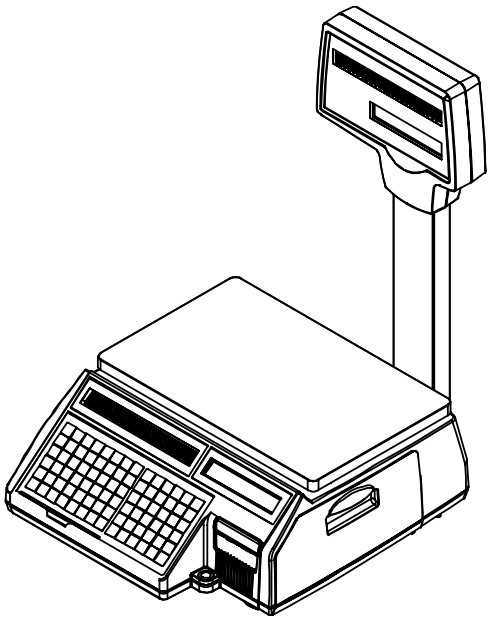
■ Standard Type



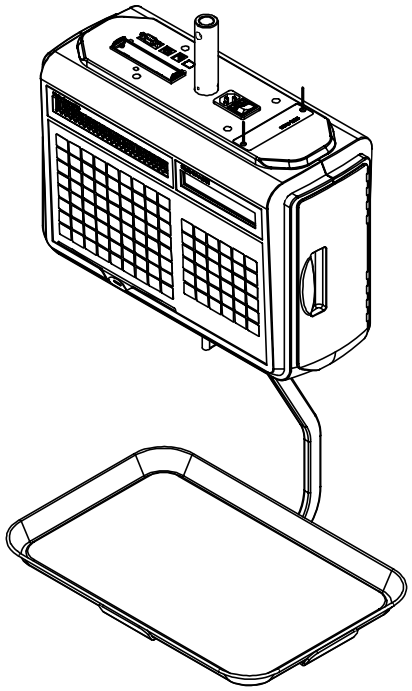
■ Pole Type P



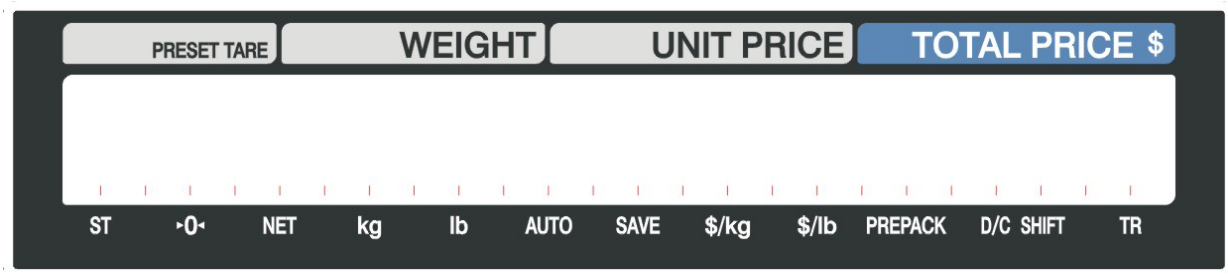
■ Pole Type R



■ Hanging Type H

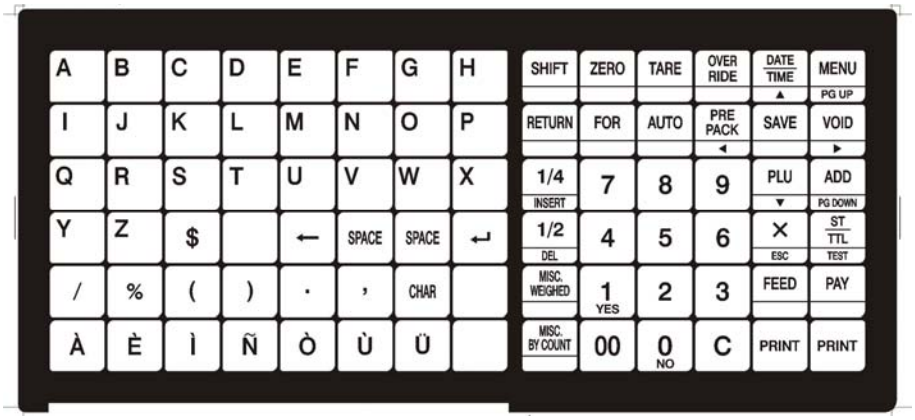


DISPLAY

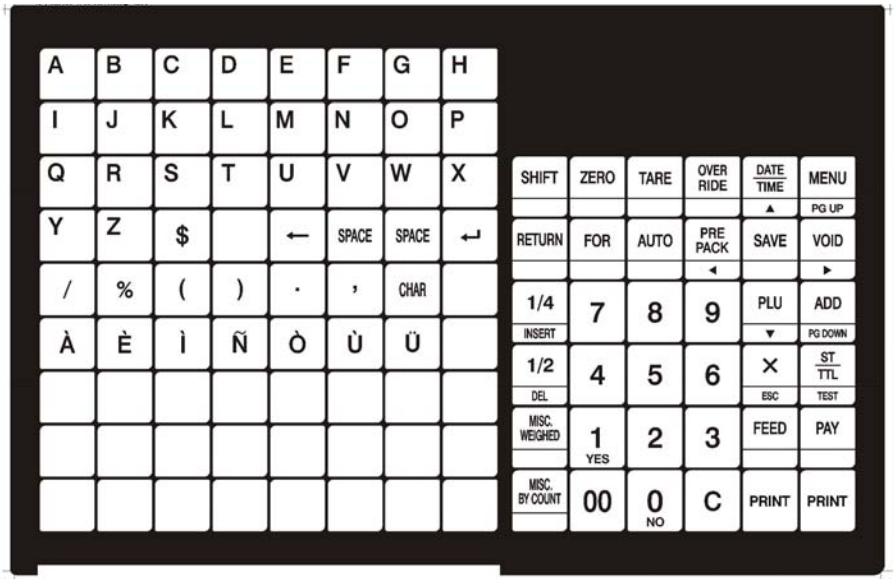


KEYBOARD

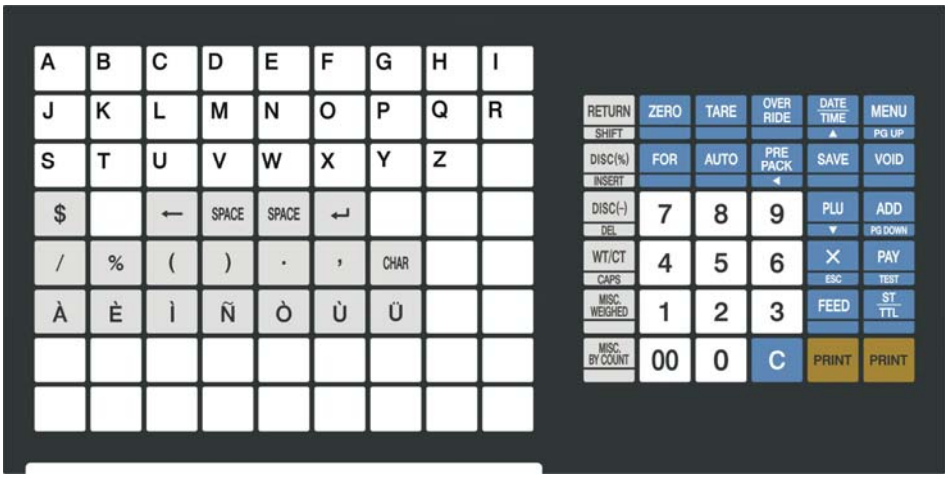
B-Type (Standard)



P Type, R-Type (pole type)

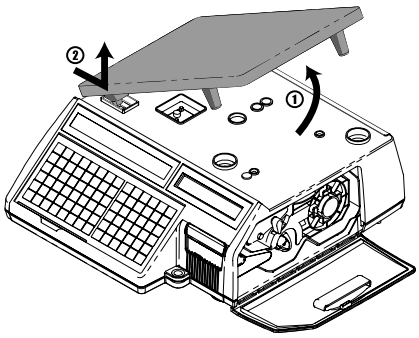


H-Type (hanging type)

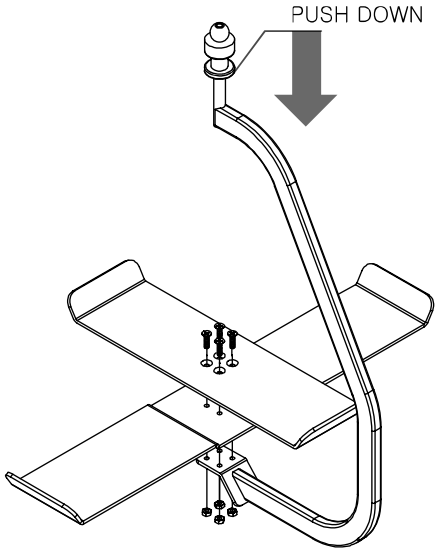


1.5 Basic set-up

How to install tray



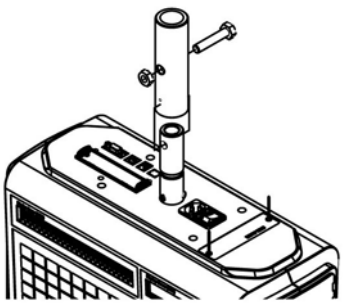
B,P,R type

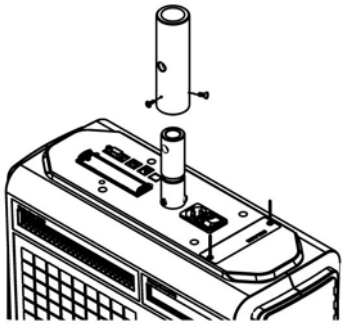


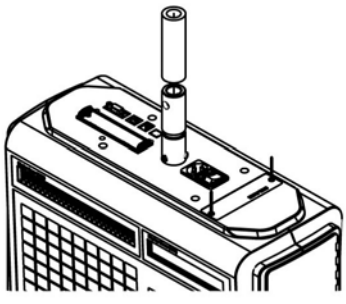
H-type tray

NOTE: Push down ball connection

H-type mouting method (3 suggested)







1.6 SYMBOLS

SYMBOLS	DESCRIPTION
ST (▼)	Stable indicator
▶0◀	Zero weight indicator
NET (▼)	Net weight indicator
AUTO	Auto Print Mode indicator
SAVE	Auto clearing status indicator
PREPACK	Prepack Mode indicator
DC (▼)	Discount status indicator
SHIFT (▼)	Speed key shift status indicator
TR	Data transmission status indicator
lb	lb indicator
kg	kg indicator
$/lb	$/lb indicator
$/kg	$/kg indicator

1.7 KEY FUNCTIONS

KEYS	FUNCTIONS
0 ~ 9	Numeric keys. Used to enter pricing, qty, count, tare, etc.
00	Double zero key
C	Clear key. Used to clear erroneous entries and error conditions.
ZERO	Re-Zero key. Use to remove small variations in the scale's zero.
TARE	Tare key. Use to manually enter and remove tare weights.
1/2	1/2 lb key. Use to apply unit price per 1/2 lb
1/4	1/4 lb key. Use to apply unit price per 1/4 lb
OVER RIDE	Override key. For temporary price change entry.

DATE /TIME ▲	Date & Time key. Toggles the display between time, date, scale number and department number.
MENU PG UP	MENU key. This key toggles from program menu to sale mode. Page up key: Used to go to previous page in program mode.
FOR	For key. Use this key for by- count or by pcs pricing: 3 @ 3 FOR $1.00. It toggles between the QTY, PIECE, and PRICE fields.
AUTO	AUTO key. Auto-print mode
PRE PACK ◄	Pre-Pack key. Used to enter Pre-Packaging mode in which the scale Auto-prints for every transaction and prevents the auto clearing of data.
SAVE	Save key. Save mode prevents the auto clearing of any called-up data like tare weight, PLU pricing, etc.
VOID ►	Void key. To remove erroneous sales from ADD-Up
PLU ▼	When you type a PLU number and press this key, it calls-up that PLU.
ADD PG DOWN	ADD-Up key. This key when used in conjunction with ST/TTL key allows you print a customer-total label as well as individual transaction labels. Page Down key. Used to go to next page in program mode.
X ESC	Multi-Label key. Use this key to print multiple sales of the same transaction. Escape key. It is used to exit in program mode.
ST TTL	Subtotal / Total key. Used with the ADD key in order to print customer-totals.
FEED	Feed key. Use this key to feed labels or paper through printer
PAY TEST	Pay key. Use this key to calculate change. Test key. Used to print test pattern
PRINT	Print key. Used to manually print transactions and also serves as an ENTER key.

RETURN SHIFT	Return key. Used to credit sales for erroneous transactions or returns. Shift Key. Used to SHIFT function in program Mode
DISC% INSERT	Discount % key. Used to discount price. Insert key: Insert mode for text typing in program mode.
WT/CT CAPS	WT/CT key. Toggles between Weight PLU and Count PLU. CAPS Key: Used to type a small letter in program mode.
MISC. By WEIGHT	Miscellaneous By-Weight PLU key.
MISC. BY COUNT	Miscellaneous By-Count PLU key.
MISC. PCS	Miscellaneous By-PCS PLU key.
DISC- DEL	Negative Discount DELETE key. Used to delete text data in program mode
Special	Special Discount by Special Unit Price
NEG	To change the price of PLU called-up to negative price.
FP	Change Fixed Price Called PLU
OPEN	Open Cash Drawer
G.TTL	To show total amount added-up. (Greek)
REF	Call Reference PLU
IN WT	To continue to use the weight selected by user.
L/T	To switch label to ticket and vice versa.
BL	On/Off LCD Backlight
SDATE	Edit Sell by Date

ORIGIN	Edit Origin
ITEM	Edit PLU Item
DISC	Edit Discount
SKEY	To assign speed key.
V1 ~ V32	Clerk Key
V	Indirect Clerk Call
A ~ Z	Alpha keys. Used to type text data.
$	Used to type $
Currency	For future
←	Backspace key. Used to backspace and delete text data.
SPACE	Space bar.
↵	Used to go to next line to enter text
/ ~ Ü	Special symbol keys.
CHAR	Used to type special symbol. (See ASCII code table on page 192)
Kg/lb	Use to change weight unit.
1/2	Use to apply 1/2 unit price
1/4	Use to apply 1/4 unit price

Note : X key is only used in sale mode and **ESC** key is only used in program mode.

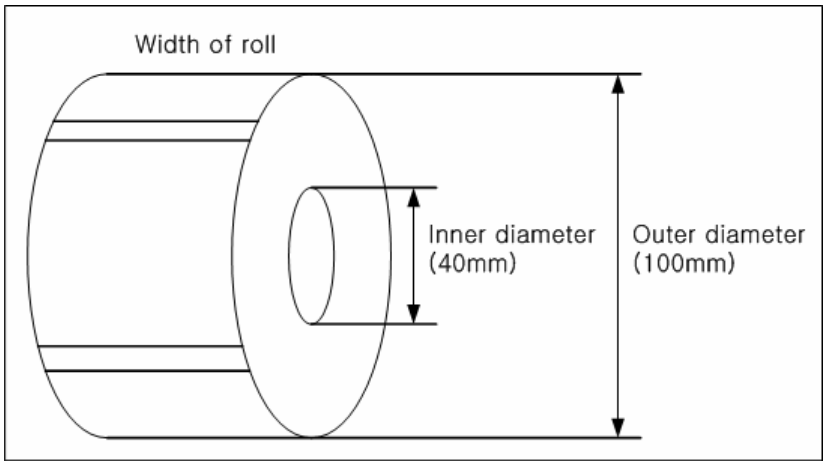
Sale mode : **X** key

Program mode : **ESC** key

1.8 Installation of the Label Roll

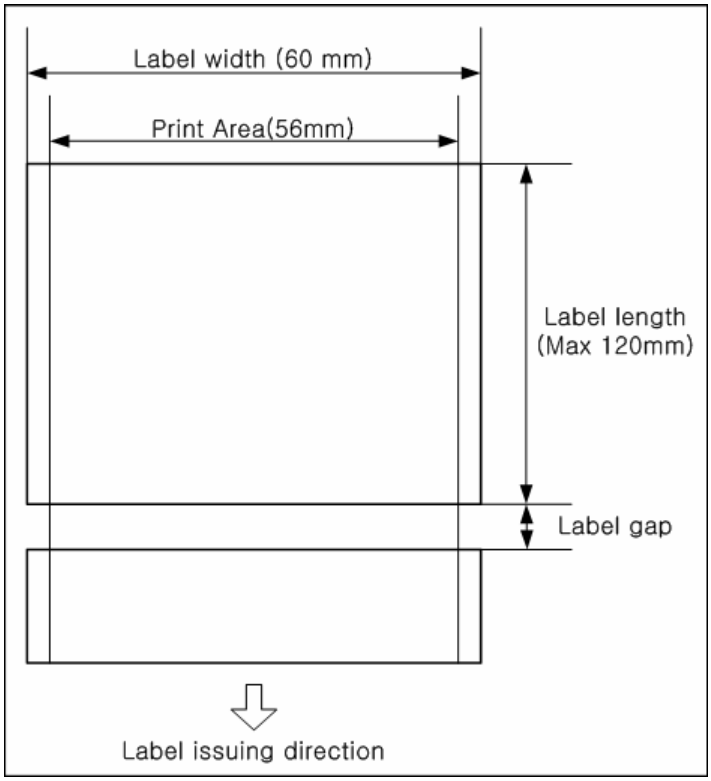
■Label Specifications

Outer diameter of roll : 100mm
Inner diameter of roll : 40mm
Width of receipt roll : 40, 50, 60mm
Width of label roll : 60mm(MAX)



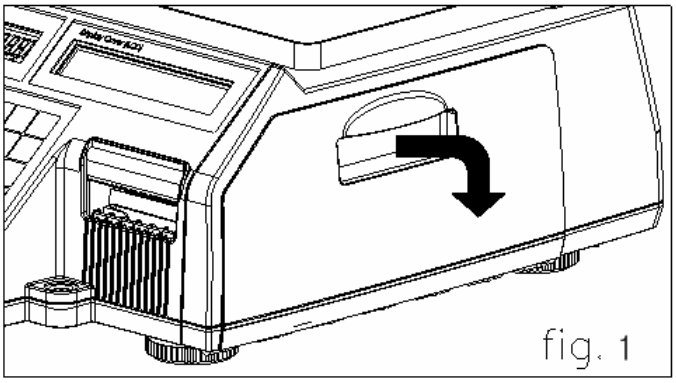
■ Print Area

Width of label : 60mm(MAX)
Length of label : 120mm(MAX)

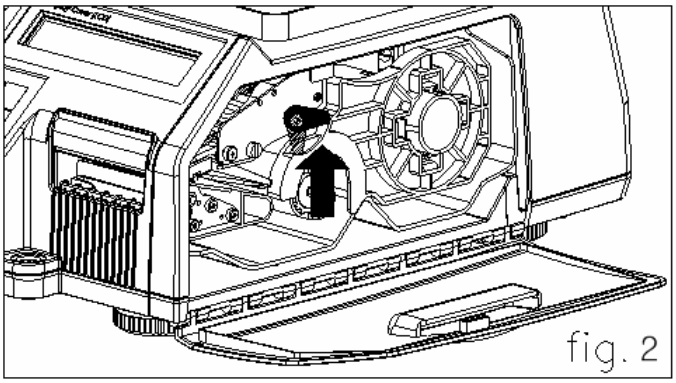


To install the label roll at ANY time you must follow the directions in this section:

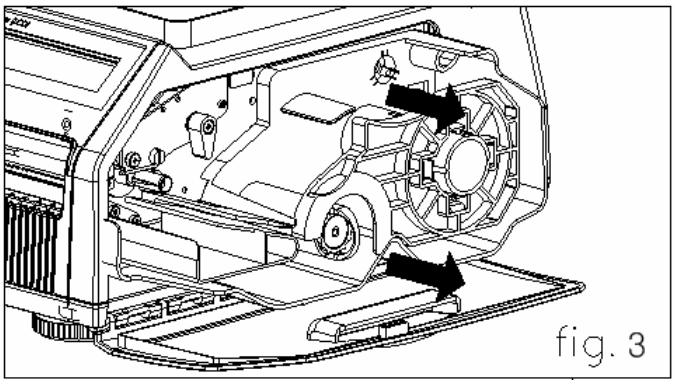
1) Press the **ON / OFF** key and make sure that the display is completely off. Open the printer's side-access panel. (See fig.1)



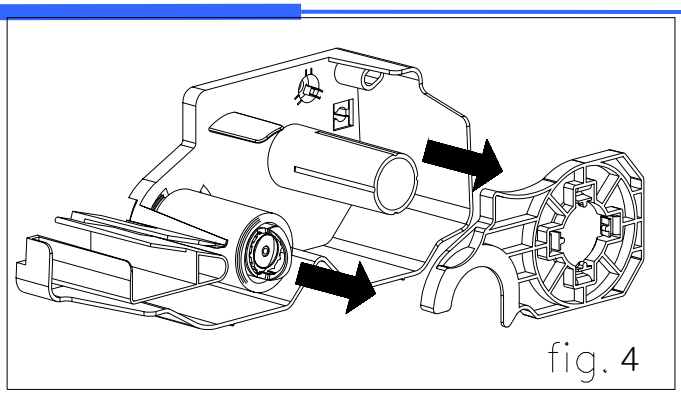
2) Lift up TPH lever as fig 2.



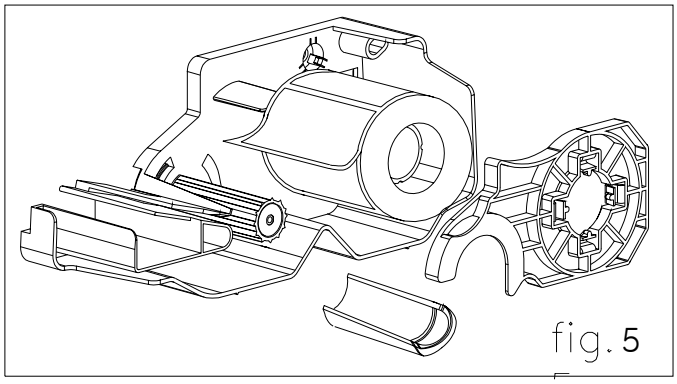
3) Remove cartridge as fig. 3.



4) Remove Pick-Up Spool assembly and paper guide from the cartridge as fig. 4.



5) Place the label in the scale as fig. 5



6) Press the FEED key.

*If label position is not correct, you have to check follows :

a, Label size.(Label setting menu)

b. Feed Adjustment .(Feed adjustment menu)

c. Sensor calibration(Sensor Calibration menu)

2. PROGRAMMING

Program Mode Menu Tree (Menu code : 1000)

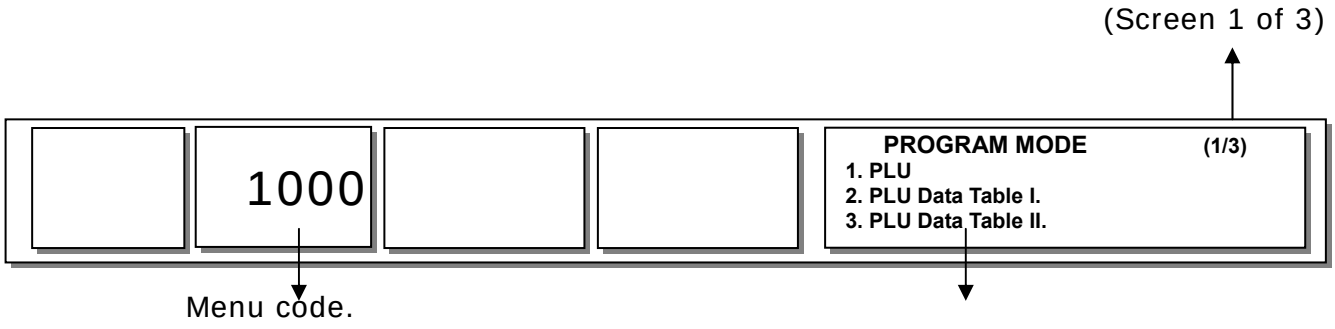
CODE	Menu	CODE	Sub Menu	CODE	Sub Menu		
1100	PLU	1110	Change Price				
		1120	New/Edit				
		1130	Discount	1131	New/Edit		
				1132	List		
				1133	Delete	1137	Delete by PLU(DC)
						1138	Delete by Dept(DC)
						1139	Delete All(DC)
		1140	Management	1141	Copy		
				1142	Delete	1147	Delete by PLU No.
						1148	Delete by Dept. No.
						1149	Delete All
				1143	Move		
				1144	Select PLU Items		
				1145	PLU Sale Count		
		1150	List				
		1160	Speed Key				
		1170	Sample Printing				
1200	PLU Data Table I	1210	Department				
		1220	Group				
		1230	Tax Rate				
		1240	Sales Message				
		1250	Origin				
		1260	Barcode				
		1270	Tare				
		1280	Unit Symbol				
1300	PLU Data Table II	1310	Ingredient				
		1320	Nutrition Facts				
		1330	Traceability				
		1340	Country				
		1350	Slaughter House				
		1360	Cutting Hall				
1400	Store Data Table	1410	Store				
		1420	Customer				
		1430	Scroll Message	1431	Configuration		
				1432	Edit Scroll Message		
				1433	List Scroll Message		
		1440	Currency				
1500	Global Setting	1510	Label Format				
		1520	Barcode				
		1530	Discount	1531	Priority Setting		
				1532	Weight Discount		
				1533	Count Discount		
				1534	PCS Discount		
		1540	Tax	1541	Set Global Tax		
				1542	Global Tax No.		

1600	Report	1610	X1 Report	1611	Scale
				1612	PLU
				1613	Misc. PLU
				1614	Group
				1615	Department
				1616	Hourly
				1617	Clerk
		1620	Z1 Report		
		1630	X2 Report	1631	Scale
				1632	PLU
				1633	Misc. PLU
				1634	Group
				1635	Department
				1636	Hourly
				1637	Clerk
		1640	Z2 Report		
		1650	Clear All		
1700	Print	1710	Print Label Item		
		1720	Markdown		
		1730	Printer Hardware	1731	Print Mode
				1732	Label/Ticket Size
				1733	Sensor Calibration
				1734	Sensor & Motor
				1735	Print Intensity
				1736	Adjust Feed Length
				1737	Label Preprint
		1740	Serial Number Format		
		1750	Add-Up Total		
		1760	Ticket	1761	Select Ticket Item
				1762	Select List Item
1800	Scale Config	1810	Sale Mode		
		1820	Operation Mode		
		1830	Department		
		1840	Date/Time		
		1850	User/Security Configuration	1851	New/Edit User
				1852	Change Password
				1853	List User
				1854	Delete User
				1855	Config Permission
				1856	Clerk Key
		1860	Test	1861	Display
				1862	A/D
				1863	Keyboard
				1864	Chess Printer
				1865	Printer Sensor
				1866	Memory Information
				1867	Firmware Version
		1870	Scale Parameter	1871	Display
				1872	Printing
				1873	Sale setup
				1874	Clerk Logout
		1880	Function Key Define		

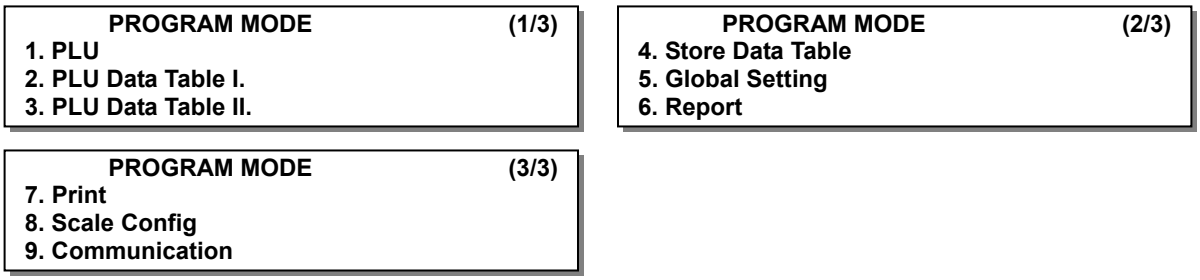
1900	Communication	1910	Network Setting	1911	Service Type
				1912	DHCP
				1913	IP
				1914	Remote IP
				1915	RS232C
				1916	WLAN Setting
				1917	WLAN Config
		1920	Application		
		1930	Scale Lock/Unlock		
		1940	Check Scale		
		1950	Backup to Scale		

- How to access PROGRAM MODE
  You can see the Program Menu screen by pressing the MENU key.

The 2 numbers at top left (1/3) indicate the number of pages or screens. The number to the left of the slash is the current page or screen number and the number to the right of the slash indicates the total number of pages or screens. You can use the **PG UP** and **PG DOWN** keys to navigate from page to page, or you can use the Arrow keys to go through each page 1 line at a time.



If you press "**PG DOWN**" key, you can see other menu screens as below.



2.1 PLU Programming

You can set 45 items for a PLU as below table and if you do not want to use some items, you can prohibit those items in menu code:1144.

< PLU ITEM>

No	Item	Description
1	Department	Department No.
2	PLU No	PLU No.
3	PLU Type	Select PLU type among By Weight, By Count or By-PCS
4	Name 1	Enter name 1 of item. Maximum 40 characters.
5	Name 2	Enter name 2 of item. Maximum 40 characters.
6	Name 3	Enter name 3 of item. Maximum 40 characters.
7	Group No.	Select group number. This value can be from 0 to 99.
8	Label No.	(0~99) (0=Do not use Label No.), Label Formats “1~12”. If Global Setting is YES, it is not shown.
9	Aux. Label No.	(0~99) (0=Do not use Label No.), Label Formats “1~12”. This function prints aux. label as saved number of label number
10	Origin No.	(0~500) 0=Do not use origin.
11	※ Unit Weight	Unit weight of Price(No.19) (1:unit price for 1lb,2:unit price for 1/2lb,3:unit price for 1/4lb,4:unit price for 1kg,5:unit price for 100g)
12	※ Fixed Weight	The weight is fixed regardless of item
13	Prefix	Enter serial code for PLU (Greece version of CL5000 series)
14	Item code	Item code
15	Use Fixed Price Type	You can set wheter use Fixed Price or not
16	☆ Pieces	(0-999) Set the number for By-PCS PLU
17	☆ Quantity Symbol ID	(0~8) Set symbol of PCS or Count
18	Fixed price	Price is fixed regardless of weight or pcs
19	(Unit) Price	This value can be from 0 to 999999.
20	Special Price	It can be unit price by using Special key.
21	Tax No.	Enter tax number. This value can be from 0 to9
22	※ Tare / Tare No.	You can enter tare weight manually or enter No. of tare data. (By-weight PLU)
23	※ % Tare	0~99.99 You can enter tare weight as percentage of item. If you set it to 20%, 20% of item is tare weight.
24	※ Tare % Limit	0~99.99 You can enter tare limit. %tare <= % limit -> Gross weight is printed %tare > % limit -> Net weight is printed

25	Barcode No.	This value can be from 0 to 99, If Global Setting is YES, it is not shown.
26	Produced Date	(0~999) This is subtracted to the current date in order to be calculated.
27	Packed Date	(0~999) This is added to the current date in order to be calculated.
28	Packed Time	(0~99) If you set it to 0, it is not printed
29	Sell-by Date	(0~9999) This is expirations date that is numbered in days and added to the Packed On date in order to be calculated. If you set it to 0, it is not printed
30	Sell-by Time	(0~99) If you set it to 0, it is not printed
31	Cook-by Date	(0~9999) This is expirations date that is numbered in days and added to the Packed On date in order to be calculated.
32	Ingredients No.	(0~999) Enter ingredients
33	Traceability No.	(0~99) Enter traceability No.
34	Bonus	For future use.
35	Nutri. Fact No.	(0~500) Enter nutrition fact ID
36	Sales Msg No.	(0~99) Enter sales message No.
37	Reference PLU Dept.	(0~99) Enter reference department No.
38	Reference PLU No.	(0~999999) Enter reference PLU No.
39	Coupled PLU Dept.	(0~99) Enter coupled PLU department
40	Coupled PLU No.	(0~999999) Enter coupled PLU No.
41	# of Link PLU	(0~2) Enter the number of linked PLU.
42	Link PLU1 Dept.	(0~99) Enter PLU1 department No.
43	Link PLU1 No.	(0~999999) Enter PLU1 No.
44	Link PLU2 Dept.	(0~99) Enter PLU2 department No.
45	Link PLU2 No.	(0~999999) Enter PLU2 No.

※ These items are shown on the display when you select By Weight PLU.

☆ These items are shown on the display when you select By Count or By PCS PLU.

2.1.1 Create By-Weight PLU (Menu code 1120)

<New/Edit PLU : MENU -> 1. PLU -> 2.New/Edit>

* You can press the **SAVE** key at anytime to save the current PLU data and if you want to exit without saving, press the **ESC** key.

1. Enter Department No. and PLU No.

* Department should be set previously

EX) Department No. = [1] Default
PLU No. : [1]

1 PRINT 1 PRINT

```
NEW/ EDIT
Department No. :  [     1] Default
PLU No.        :  [     1] No Data or Param
```

2. Select PLU Type

1. By Weight ->
2. By Count ->
3. By PCS ->

EX) BY-Weight Item

By-Weight PLUs are priced as *price-per-weight;* for example, $3.99/lb or $1.99/lb. You must weigh these PLUs before you can execute a sales transaction. (#/△△ may be changed on Menu 1144).

1 PRINT

```
                PLU No. :  1              (1/△△)
PLU Type  :  [     1]
  1. By-Weight
[SAVE]=Save  [ESC]=Escape
```

3. Enter PLU Name 1

EX) "BEEF" B E E F PRINT

```
                PLU No. :  1              (2/△△)
Name 1:  [BEEF                              ]

[SAVE]=Save  [ESC]=Escape
```

4. Enter PLU Name 2

EX) "Sirloin"

S Shift i r l O i n PRINT

```
                PLU No. :  1              (3/△△)
Name 2:  [Sirloin                           ]

[SAVE]=Save  [ESC]=Escape
```

5. Enter PLU Name 3

EX) "STEAK"

S T E A K PRINT

```
                PLU No. :  1              (4/△△)
Name 3:  [STEAK                             ]

[SAVE]=Save  [ESC]=Escape
```

6. Select Group

* If there is no group for this PLU, enter "0"

EX) 1. Meat

1 PRINT

```
                PLU No. :  1              (5/△△)
Group : [  1]
    1. Meat
[SAVE]=Save  [ESC]=Escape
```

7. Select Label Format

* If you enter “0”, standard label format (menu code 1510) is used.
* For details about label format, refer to 8. Setting Global option

EX) 1. IS6030-00001(60x30)

1 PRINT

```
                    PLU No. :   1          (6/△△)
Label No. : [   1]
     IS6030-00001(60X30)
[SAVE]=Save   [ESC]=Escape
```

```
                    PLU No. :   1          (7/△△)
Aux. Label No. : [   1]
     IS6030-00001(60X30)
[SAVE]=Save   [ESC]=Escape
```

8. Select Origin

* If you do not want to use origin, enter “0”

EX) 49. China

4 9 PRINT

```
                    PLU No. :   1          (8/△△)
Origin No. : [   1]
     49. China
[SAVE]=Save   [ESC]=Escape
```

9. Enter Fixed Weight

The weight of an item is fixed.

* If you do not want to use, enter 0.

EX) Do not use Fixed Weight

0 PRINT

```
                    PLU No. :   1          (9/△△)
FixedWeight : [   0.000] lb

[SAVE]=Save   [ESC]=Escape
```

10. Enter Prefix

* If you do not want to use, enter 0.

EX) Do not use Fixed Weight

1 PRINT

```
                    PLU No. :   1          (10/△△)
Prefix : [    1]

[SAVE]=Save   [ESC]=Escape
```

11. Item Code

EX) Item Code = 1941

1 9 4 1 PRINT

```
                    PLU No. :   1          (11/△△)
ItemCode : [   1941]

[SAVE]=Save   [ESC]=Escape
```

12. Use Fixed Price Type

EX) Fixed price type 1

1 PRINT

```
                    PLU No. :   1          (12/△△)
Use Fixed Price Type : [   1]

[SAVE]=Save   [ESC]=Escape
```

13. Price

EX) Price = $10.00

1 0 0 0 PRINT

```
                PLU No. :   1          (13/△△)
Price : [   10.00]

[SAVE]=Save   [ESC]=Escape
```

14. Special Price

EX) Price = $10.00

2 0 0 0 PRINT

```
                PLU No. :   1          (14/△△)
Special Price : [   20.00]

[SAVE]=Save   [ESC]=Escape
```

15. Tax No.

* It may be changed by setting Menu code 1541.
* If you do not want to use, enter "0"

EX) Tax data 1

1 PRINT

```
                PLU No. :   1          (15/△△)
Tax No. : [ 1]

[SAVE]=Save   [ESC]=Escape
```

16. Tare

* You can use Tare Table, depending on the setting of Parameter 584

EX) Tare Value = 100 g

1 0 0 PRINT

```
                PLU No. :   1          (16/△△)
Tare : [   0.100] lb

[SAVE]=Save   [ESC]=Escape
```

17. %Tare

EX) 10.00%

1 0 0 0 PRINT

```
                PLU No. :   1          (17/△△)
%Tare : [   10.00]

[SAVE]=Save   [ESC]=Escape
```

18. Tare % limit

* If you do not want to use, enter " 0"

EX) Do not use Tare % limit

0 PRINT

```
                PLU No. :   1          (18/△△)
Tare %Limit : [   0.00]

[SAVE]=Save   [ESC]=Escape
```

19. Barcode No.

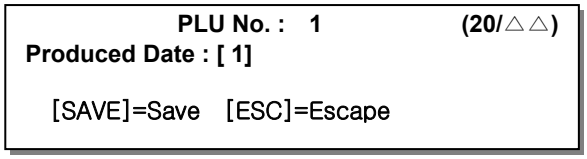
* You can use barcode ID depending on the setting of Menu code 1520

EX) Barcode Data Table 1

1 PRINT

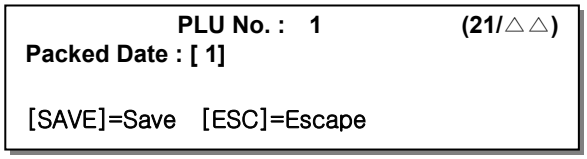
```
                PLU No. :   1          (19/△△)
Barcode No. : [ 1]
      EAN-8,      DDIIIIIC
[SAVE]=Save   [ESC]=Escape
```

20. Produced Date



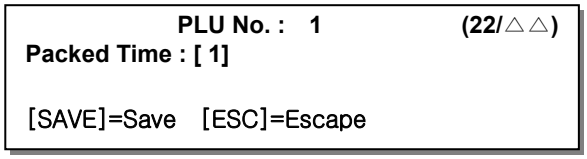
1 PRINT

21. Packed Date



1 PRINT

22. Packed Time

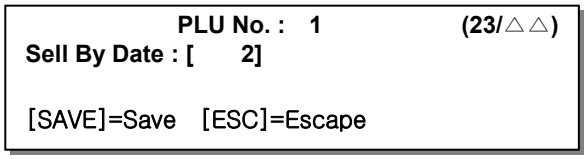


1 PRINT

23. Sell By Date

* This value can be from 0 to 9999.
* If you do not want to use, enter “0”

EX) 2

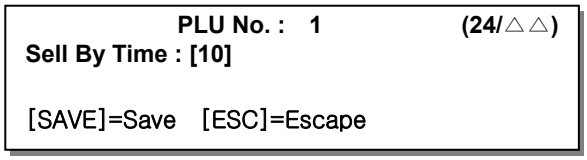


2 PRINT

24. Sell By Time

* This value can be from 0 to 99.
* If you do not want to use, enter “0”

EX) 10

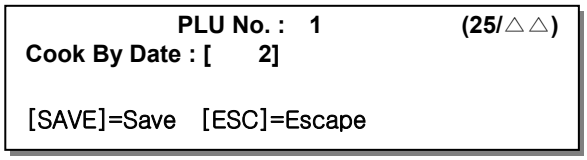


1 0 PRINT

25. Cook By Date

* This value can be from 0 to 9999.
* If you do not want to use, enter “0”

EX) 2

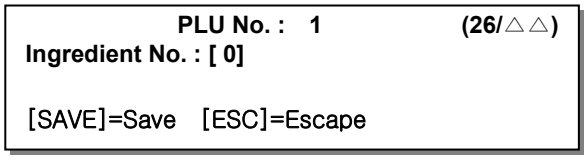


2 PRINT

26. Ingredient No.

* If you do not want to use, enter “0”

EX) Do not use ingredient



0 PRINT

27. Traceability No.

* If you do not want to use, enter “0”

1 PRINT

PLU No. : 1 (27/△△)
Traceability No. : [1]

[SAVE]=Save [ESC]=Escape

28. Bonus

* If you do not want to use, enter “5”

5 PRINT

PLU No. : 1 (28/△△)
Bonus : [5]

[SAVE]=Save [ESC]=Escape

29. Nutri. Fact No.

* If you do not want to use, enter “0”

1 PRINT

PLU No. : 1 (29/△△)
Nutri.Fact No. : [1]

[SAVE]=Save [ESC]=Escape

30. Sales Msg No.

* If you do not want to use, enter “0”

EX) Sales Message 1

1 PRINT

PLU No. : 1 (30/△△)
Sales Msg No. : [0]
1, Thank You
[SAVE]=Save [ESC]=Escape

31. Reference PLU Department

* If you do not want to use, enter “0”

EX) Do not use Reference PLU Department

0 PRINT

PLU No. : 1 (31/△△)
Reference PLU Dept : [0]

[SAVE]=Save [ESC]=Escape

32. Reference PLU No.

* If you do not want to use, enter “0”

EX) Do not use reference PLU No.

0 PRINT

PLU No. : 1 (32/△△)
Reference PLU No. : [0]

[SAVE]=Save [ESC]=Escape

33. Coupled PLU Department

* If you do not want to use, enter “0”

EX) Do not use Coupled PLU Department

0 PRINT

PLU No. : 1 (33/△△)
Coupled PLU Dept : [0]

[SAVE]=Save [ESC]=Escape

34. Coupled PLU No.

* If you do not want to use, enter “0”

EX) Do not use coupled PLU number

0 PRINT

PLU No. : 1 (34/△△)
Coupled PLU No. : [0]

[SAVE]=Save [ESC]=Escape

35. # of Link PLU

* If you do not want to use, enter “0”

EX) Do use coupled PLU 2

2 PRINT

```
PLU No. :  1                (35/△△)
# of Link PLU : [ 2]

[SAVE]=Save   [ESC]=Escape
```

36. Link PLU1 Dept

* If you do not want to use, enter “0”

EX) Do not use coupled PLU number

0 PRINT

```
PLU No. :  1                (36/△△)
Link PLU1 Dept : [ 0]

[SAVE]=Save   [ESC]=Escape
```

37. Link PLU1 No.

* If you do not want to use, enter “0”

EX) Do not use coupled PLU number

0 PRINT

```
PLU No. :  1                (37/△△)
Link PLU1 No. : [ 0]

[SAVE]=Save   [ESC]=Escape
```

38. Link PLU2 Dept

* If you do not want to use, enter “0”

EX) Do not use coupled PLU number

0 PRINT

```
PLU No. :  1                (38/△△)
Link PLU2 Dept : [ 0]

[SAVE]=Save   [ESC]=Escape
```

39. Link PLU2 No.

* If you do not want to use, enter “0”

EX) Do not use coupled PLU number

0 PRINT

```
PLU No. :  1                (39/△△)
Link PLU2 No. : [ 0]

[SAVE]=Save   [ESC]=Escape
```

2.1.2 Create By-Count PLU (Menu code 1120)

(MENU -> 1. PLU -> 2.New/Edit)

* You can press the **SAVE** key at anytime to save the current PLU data and if you want to exit without saving, press the **ESC** key.

1. Enter Department No. / PLU No.

* Department should be set previously

EX) Department # = 1. Default
PLU # = 2

[1] [PRINT] [2] [PRINT]

```
NEW/ EDIT
Department No. :  [     1] Default
PLU No.        :  [     2] No Data or Param
```

2. Select PLU Type

1. By Weight ->
2. By Count ->
3. By PCS ->

EX) BY-Count Item

[2] [PRINT]

```
PLU No. :  2                    (1/△△)
PLU Type  :  [     2]
  2. By-Count
[SAVE]=Save   [ESC]=Escape
```

3. Enter PLU Name 1

EX) "PEAR"

[P] [E] [A] [R] [PRINT]

```
PLU No. :  2                    (2/△△)
Name 1:  [PEAR                       ]

[SAVE]=Save   [ESC]=Escape
```

4. Enter PLU Name 2

EX) Do not use name 2

[PRINT]

```
PLU No. :  2                    (3/△△)
Name 2:  [                           ]

[SAVE]=Save   [ESC]=Escape
```

5. Enter PLU Name 3

EX) Do not use name 3

[PRINT]

```
PLU No. :  2                    (4/△△)
Name 3:  [                           ]

[SAVE]=Save   [ESC]=Escape
```

6. Group

* If there is no group data, enter 0

EX) 2. Fruit

2 PRINT

```
PLU No. :  2                (5/△△)
Group : [  2]
     2. Fruit
[SAVE]=Save   [ESC]=Escape
```

7. Select Label Format

* If you enter "0", standard label format (menu code 1510) is used.
* For details about label format, refer to 8. Setting Global option

EX) 1. IS6030-00001(60x30)

1 PRINT

```
PLU No. :  2                (6/△△)
Label No. : [  1]
     IS6030-00001(60X30)
[SAVE]=Save   [ESC]=Escape
```

```
PLU No. :  2                (7/△△)
Aux. Label No. : [  1]
     IS6030-00001(60X30)
[SAVE]=Save   [ESC]=Escape
```

8. Origin No.

* If you do not want to use origin, enter 0

EX) 119. Korea

1 1 9 PRINT

```
PLU No. :  2                (8/△△)
Origin No. : [  1]
     119. Korea
[SAVE]=Save   [ESC]=Escape
```

9. Enter Prefix

* If you do not want to use, enter 0.

EX) Do not use Fixed Weight

1 PRINT

```
PLU No. :  2                (9/△△)
Prefix : [    1]

[SAVE]=Save   [ESC]=Escape
```

10. Item Code

EX) Item Code = 273

2 7 3 PRINT

```
PLU No. :  2                (10/△△)
ItemCode : [    273]

[SAVE]=Save   [ESC]=Escape
```

11. Qty Unit No.

EX) Qty Unit No. 6

6 PRINT

```
PLU No. :  2                (11/△△)
Qty Unit No. : [  6]

[SAVE]=Save   [ESC]=Escape
```

12. Use Fixed Price Type

EX) Fixed price type 1

1 PRINT

```
                PLU No. :   2          (12/△△)
Use Fixed Price Type : [   1]

[SAVE]=Save   [ESC]=Escape
```

13. Price

EX) Price = $10.00

1 0 0 0 PRINT

```
                PLU No. :   2          (13/△△)
Price : [   10.00]

[SAVE]=Save   [ESC]=Escape
```

14. Special Price

EX) Price = $10.00

2 0 0 0 PRINT

```
                PLU No. :   2          (14/△△)
Special Price : [   20.00]

[SAVE]=Save   [ESC]=Escape
```

15. Tax No.

* It may be changed by setting Menu code 1541.
* If you do not want to use tax id, enter 0

EX) Tax data 1

1 PRINT

```
                PLU No. :   2          (15/△△)
Tax No. : [ 1]
     Type=1,    rate = 10.00 %
[SAVE]=Save   [ESC]=Escape
```

16. Barcode No.

* It is used depending on the setting of the Menu code 1520

EX) Barcode Data Table 1

1 PRINT

```
                PLU No. :   2          (16/△△)
Barcode No. : [ 1]
     EAN-8,     DDIIIIIC
[SAVE]=Save   [ESC]=Escape
```

17. Produced Date

1 PRINT

```
                PLU No. :   2          (17/△△)
Produced Date : [ 1]

   [SAVE]=Save   [ESC]=Escape
```

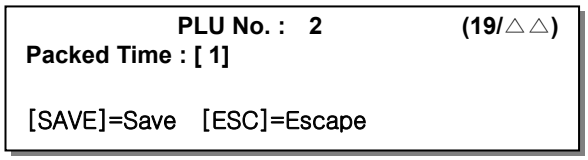
18. Packed Date

1 PRINT

```
                PLU No. :   2          (18/△△)
Packed Date : [ 1]

[SAVE]=Save   [ESC]=Escape
```

19. Packed Time

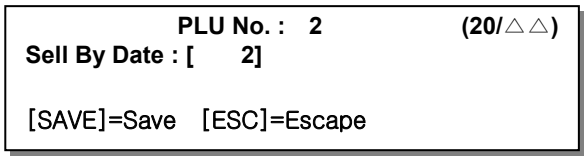


1 PRINT

20. Sell By Date

* This value can be from 0 to 9999

EX) 2 days

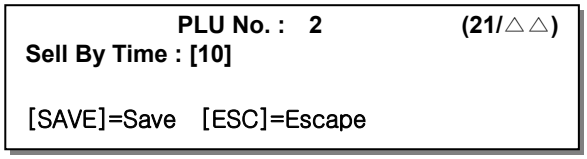


2 PRINT

21. Sell By Time

* This value can be from 0 to 99

EX) 10 hours

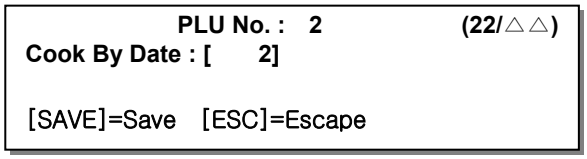


1 0 PRINT

22. Cook By Date

* This value can be from 0 to 9999.
* If you do not want to use, enter “0”

EX) 2

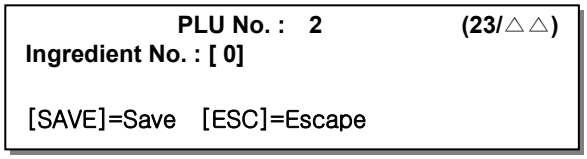


2 PRINT

23. Ingredient No.

* If you do not want to use ingredient, enter “0”

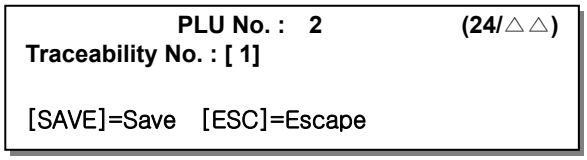
EX) Do not use ingredient



0 PRINT

24. Traceability No.

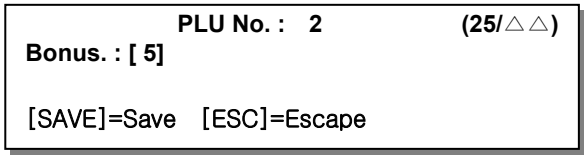
* If you do not want to use, enter “0”



1 PRINT

25. Bonus

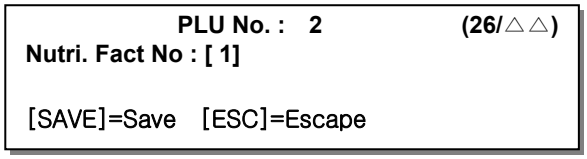
* If you do not want to use, enter “5”



5 PRINT

26. Nutri. Fact No.

* If you do not want to use, enter “0”



1 PRINT

27. Sales Msg No.

* If you do not want to use, enter “0”

EX) Sales Message 1

1 **PRINT**

```
PLU No. :  2                    (27/△△)
Sales Msg No. : [ 0]
    1,  Thank You
[SAVE]=Save  [ESC]=Escape
```

28. Reference PLU Department

* If you do not want to use reference department ID, enter “0”

EX) Do not use Reference Department

0 **PRINT**

```
PLU No. :  2                    (28/△△)
Reference PLU Dept : [ 0]

[SAVE]=Save  [ESC]=Escape
```

29. Reference PLU No.

* If you do not want to use reference PLU, enter “0”

EX) Do not use Reference PLU

0 **PRINT**

```
PLU No. :  2                    (29/△△)
Reference PLU No. : [ 0]

[SAVE]=Save  [ESC]=Escape
```

30. Coupled PLU Department

* If you do not want to use, enter “0”

EX) Do not use Coupled PLU Department

0 **PRINT**

```
PLU No. :  2                    (30/△△)
Coupled PLU Dept : [ 0]

[SAVE]=Save  [ESC]=Escape
```

31. Coupled PLU No.

* If you do not want to use, enter “0”

EX) Do not use coupled PLU number

0 **PRINT**

```
PLU No. :  2                    (31/△△)
Coupled PLU No. : [ 0]

[SAVE]=Save  [ESC]=Escape
```

32. # of Link PLU

* If you do not want to use, enter “0”

EX) Do not use coupled PLU number

0 **PRINT**

```
PLU No. :  2                    (32/△△)
# of Link PLU : [ 0]

[SAVE]=Save  [ESC]=Escape
```

2.1.3 Create By-PCS PLU (Menu code 1120)

(MENU -> 1. PLU -> 2.New/Edit)

By-PCS PLU is used depending on the Para 593.

* You can press the **SAVE** key at anytime to save the current PLU data and if you want to exit without saving, press the **ESC** key.

1. Enter Department No. / PLU No.

* Department should be set previously

EX) Department # = 1. Default
PLU # = 2

1 PRINT 3 PRINT

```
NEW/ EDIT
Department No. :  [    1] Default
PLU No.        :  [    3] No Data or Param
```

2. Select PLU Type

1. By Weight ->
2. By Count ->
3. By PCS ->

EX) BY-PCS Item

3 PRINT

```
PLU No. :  3                    (1/△△)
PLU Type  :  [    3]
  3. By-PCS
[SAVE]=Save   [ESC]=Escape
```

3. Enter PLU Name1

EX) "CAKE"

C A K E PRINT

```
PLU No. :  3                    (2/△△)
Name 1:  [CAKE                      ]

[SAVE]=Save   [ESC]=Escape
```

4. Enter PLU Name2

EX) Do not use name 2

PRINT

```
PLU No. :  3                    (3/△△)
Name 2:  [                          ]

[SAVE]=Save   [ESC]=Escape
```

5. Enter PLU Name3

EX) Do not use Name3

PRINT

```
PLU No. :  3                    (4/△△)
Name 3:  [                          ]

[SAVE]=Save   [ESC]=Escape
```

6. Group

* If there is no group data, enter 0

EX) 2. groceries

2 PRINT

```
PLU No. :  3                    (5/△△)
Group : [  2]
    2. Groceries
[SAVE]=Save   [ESC]=Escape
```

7. Select Label Format

* If you enter “0”, standard label format (menu code 1510) is used.
* For details about label format, refer to 8. Setting Global option

EX) 1. IS6030-00001(60x30)

[1] [PRINT]

```
                    PLU No. :  3          (6/△△)
Label No. : [  1]
     IS6030-00001(60X30)
[SAVE]=Save   [ESC]=Escape
```

```
                    PLU No. :  3          (7/△△)
Aux. Label No. : [  1]
     IS6030-00001(60X30)
[SAVE]=Save   [ESC]=Escape
```

8. Origin No.

* If you do not want to use origin, enter 0

EX) 119. Korea

[1] [1] [9] [PRINT]

```
                    PLU No. :  3          (8/△△)
Origin No. : [  1]
     119. Korea
[SAVE]=Save   [ESC]=Escape
```

9. Enter Prefix

* If you do not want to use, enter 0.

EX) Do not use Fixed Weight

[1] [PRINT]

```
                    PLU No. :  3          (9/△△)
Prefix : [    1]

[SAVE]=Save   [ESC]=Escape
```

10. Item Code

EX) Item Code = 273

[2] [7] [3] [PRINT]

```
                    PLU No. :  3          (10/△△)
ItemCode : [    273]

[SAVE]=Save   [ESC]=Escape
```

11. Pieces

* If you enter “0”, it is regarded as 1.

EX) 10 piece

[1] [0] [PRINT]

```
                    PLU No. :  3          (11/△△)
Pieces : [    10]

[SAVE]=Save   [ESC]=Escape
```

12. Qty Unit No.

EX) Qty Unit No. 6

[6] [PRINT]

```
                    PLU No. :  3          (12/△△)
Qty Unit No. : [  6]

[SAVE]=Save   [ESC]=Escape
```

13. Use Fixed Price Type

EX) Fixed price type 1

1 PRINT

```
                    PLU No. :   3          (13/△△)
Use Fixed Price Type : [   1]

[SAVE]=Save   [ESC]=Escape
```

14. Price

EX) Price = $10.00

1 0 0 0 PRINT

```
                    PLU No. :   3          (14/△△)
Price : [   10.00]

[SAVE]=Save   [ESC]=Escape
```

15. Special Price

EX) Price = $10.00

2 0 0 0 PRINT

```
                    PLU No. :   3          (15/△△)
Special Price : [   20.00]

[SAVE]=Save   [ESC]=Escape
```

16. Tax No.

* It may be changed by setting Menu code 1540.
* If you do not want to use tax ID, enter 0

EX) Tax data 1

1 PRINT

```
                    PLU No. :   3          (16/△△)
Tax No. : [ 1]
     Type=1,    rate = 10.00 %
[SAVE]=Save   [ESC]=Escape
```

17. Barcode No.

* It is used depending on the setting of the Menu code 1520

EX) Barcode Data Table 1

1 PRINT

```
                    PLU No. :   3          (17/△△)
Barcode ID : [ 1]
     EAN-8,     DDIIIIIC
[SAVE]=Save   [ESC]=Escape
```

18. Produced Date

1 PRINT

```
                    PLU No. :   3          (18/△△)
Produced Date : [ 1]

  [SAVE]=Save   [ESC]=Escape
```

19. Packed Date

1 PRINT

```
                    PLU No. :   3          (19/△△)
Packed Date : [ 1]

[SAVE]=Save   [ESC]=Escape
```

20. Packed Time

1 PRINT

```
PLU No. :  3                (20/△△)
Packed Time : [ 1]

[SAVE]=Save   [ESC]=Escape
```

21. Sell By Date

* This value can be from 0 to 9999

EX) 2 days

2 PRINT

```
PLU No. :  3                (21/△△)
Sell By Date : [    2]

[SAVE]=Save   [ESC]=Escape
```

22. Sell By Time

* This value can be from 0 to 99

EX) 10 hours

1 0 PRINT

```
PLU No. :  3                (22/△△)
Sell By Time : [10]

[SAVE]=Save   [ESC]=Escape
```

23. Cook By Date

* This value can be from 0 to 9999.
* If you do not want to use, enter “0”

EX) 2

2 PRINT

```
PLU No. :  3                (23/△△)
Cook By Date : [    2]

[SAVE]=Save   [ESC]=Escape
```

24. Ingredient No.

* If you do not want to use ingredient, enter 0

EX) Do not use ingredient

0 PRINT

```
PLU No. :  3                (24/△△)
Ingredient No. : [ 0]

[SAVE]=Save   [ESC]=Escape
```

25. Traceability No.

* If you do not want to use, enter “0”

1 PRINT

```
PLU No. :  3                (25/△△)
Traceability No. : [ 1]

[SAVE]=Save   [ESC]=Escape
```

26. Bonus

* If you do not want to use, enter “5”

5 PRINT

```
PLU No. :  3                (26/△△)
Bonus : [ 5]

[SAVE]=Save   [ESC]=Escape
```

26. Nutri. Fact No.

* If you do not want to use, enter “0”

1 PRINT

```
PLU No. :  3                (27/△△)
Nutri Fact No. : [ 1]

[SAVE]=Save   [ESC]=Escape
```

27. Sales Msg No.

* If you do not want to use, enter “0”

EX) Sales Message 1

1 **PRINT**

PLU No. : 3 (28/△△)
Sales Msg No. : [0]
1, Thank You
[SAVE]=Save [ESC]=Escape

28. Reference PLU Department

* If you do not want to use reference department ID, enter “0”

EX) Do not use Reference Department

0 **PRINT**

PLU No. : 3 (27/△△)
Reference PLU Dept : [0]

[SAVE]=Save [ESC]=Escape

29. Reference PLU No.

* If you do not want to use reference PLU, enter “0”

EX) Do not use Reference PLU

0 **PRINT**

PLU No. : 3 (28/△△)
Reference PLU No. : [0]

[SAVE]=Save [ESC]=Escape

30. Coupled PLU Department

* If you do not want to use, enter “0”

EX) Do not use Coupled PLU Department

0 **PRINT**

PLU No. : 3 (29/△△)
Coupled PLU Dept : [0]

[SAVE]=Save [ESC]=Escape

31. Coupled PLU No.

* If you do not want to use, enter “0”

EX) Do not use coupled PLU number

0 **PRINT**

PLU No. : 3 (30/△△)
Coupled PLU No. : [0]

[SAVE]=Save [ESC]=Escape

32. # of Link PLU

* If you do not want to use, enter “0”

EX) Do not use coupled PLU number

0 **PRINT**

PLU No. : 3 (31/△△)
# of Link PLU : [0]

[SAVE]=Save [ESC]=Escape

2.1.4 Editing PLU (Menu code 1120)

(MENU -> 1. PLU -> 2.New/Edit)

* You can edit PLU as PLU creating and you can press the **SAVE** key at anytime to save the current PLU data and if you want to exit without saving, press the **ESC** key.

2.1.5 Sample Printing (Menu code 1170)

(MENU -> 1. PLU -> 7.Sample Printing)

If you press SAVE key during PLU creating or editing, label is printed.

2.1.6 Listing PLU (Menu code 1150)

(MENU -> 1. PLU -> 5.List)

1. Enter Department No.

* Enter department number that you wish to see

EX) Department No. 1

1 PRINT

```
                    List                    (1/2)
Department No.: [ 1]
```

2. Enter PLU Range

EX) PLU 1~10

1 PRINT

```
                    List                    (2/2)
Start PLU No      : [      1]
End PLU No        : [     10]
List All - press "SAVE" key
```

1 0 PRINT

```
    No.  Reference(descript)
1    1   BEEF
2    2   CAKE
3    3   PEAR
```

※ If you want to print PLU list, press the TEST key.

2.1.7 Copying PLU (Menu code 1141)

(MENU -> 1. PLU -> 4.Management -> 1.Copy)

If there is a similar PLU, you can copy it.

1. Select Source

Enter the Department No. and PLU No. that you wish to copy

EX) Source Department # = 1

Source PLU # =1

1 PRINT

```
      COPY                              (1/2)
Source Dept. No. :  [    1] Grocery
Source PLU No.   :  [    1] Potato
```

1 PRINT

2. Select Destination

Enter the Department number where the new PLU(s) will be located

Enter the PLU number that you wish to copy the Source PLU into

2 PRINT

```
      COPY                              (2/2)
Dest. Dept. No. :  [    2] vegetable
Dest. PLU No.   :  [    1] No Data
```

1 PRINT

2.1.8 Deleting PLU (Menu code 1142)

(MENU -> 1. PLU -> 4.Management -> 2.Delete)

There are three ways to delete PLU. Simply enter the number that you wish to delete.

EX) Press 1 key to select Delete by PLU No.

```
      DELETE                    (1/1)
1. Delete by PLU No.
2. Delete by Dept. No.
3. Delete All
```

EX) Department No. : 1

PLU No. :1

```
      DELETE BY PLU NO          (2/2)
Department No. :  [     1] Grocery
PLU No.  :  [     1]
```

2.1.9 Moving PLU (Menu code 1143)

(MENU -> 1. PLU -> 4.Management -> 3.Move)

※ You can move PLU. If there is discount information, it is also moved.

1. Select Source

Enter the Department No. and PLU No. which you wish to move

EX) Source Department # = 1

Source PLU # =1

```
      MOVE                      (1/2)
Source Dept. No. :  [     1] Grocery
Source PLU No.  :  [     1] Potato
```

2. Select Destination

Enter the Department number where the PLU(s) will be located

Enter the PLU number that you wish to move the Source PLU into

```
      MOVE                      (2/2)
Dest. Dept. No. :  [     2] vegetable
Dest. PLU No.  :  [     6] No Data
```

2.1.10 Selecting PLU Items (Menu code 1144)

(MENU -> 1. PLU -> 4.Management -> 4.Select PLU Items)

If you enter Y, you cannot use that item when you create PLU.

To enter Y, press Y key or 1 key.

To enter N, press N key or 0 key.

```
    SELECT PLU ITEMS                (1/10)
Department No. :  [ N ]
Name2          :  [ N ]
Name3          :  [ Y ]
```

Note : You can use the "**PG UP**" and **"PG DOWN"** keys to navigate from page to page, or you can use the Arrow keys to go through each page 1 line at a time.

2.1.11 PLU Sale Count (Menu code 1145)

(MENU-> 1. PLU-> 4.Management-> 5.PLU Sale Count)

You can count each PLU sale and also you can clear this count.

This sale count is used for serial number printing of

1 **PRINT** **1** **PRINT**

```
    PLU SALE COUNT                  (1/2)
Department No. :  [     1] Grocery
PLU No.   :  [     1]
```

To clear PLU sale count, press the **TEST** key.

```
    PLU SALE COUNT                  (2/2)
Count:20

[TEST]= clear   [ZERO]=clear all
```

2.2. Programming PLU Data Table I

2.2.1 Department (Menu code 1210)

(MENU -> 2. PLU Data Table I -> 1.Department)

If a scale is assigned to department 1 then all of the PLUs that you select on that scale will be from department 1. You can assign the department by pressing MENU, 8 and 3 keys. If you want to change the department assignment of the scale, you have to change the setting. You also have to set Speed key for this department.

2.2.2 New/Edit Department (Menu code 1211)

(MENU -> 2. PLU Data Table I -> 1.Department -> 1. New/Edit)

※ You can press the **SAVE** key at anytime to save the current data and if you want to exit without saving, press the **ESC** key.

1. Department Number

Department number is available 1 to 99.

EX) Department No. = 2

2 **PRINT**

```
NEW/ EDIT DEPARTMENT          (1/2)
Department No. :  [  2 ]
```

2. Department Description

EX) Department Decription = GROCERY

G **R** **O** **C** **E** **R** **Y** **PRINT**

```
NEW/ EDIT DEPARTMENT          (2/2)
Description : [ GROCERY             ]
Speed Key Set No: [    ]
```

3. Speed Key Setting

Refer to 2.6.1 Speed Key

EX) Speed key set no. = 1

1 **PRINT**

```
NEW/ EDIT DEPARTMENT          (2/2)
Description : [ GROCERY             ]
Speed Key Set No: [ 1 ]
```

2.2.3 List Department (Menu code 1212)

(MENU -> 2. PLU Data Table I -> 1.Department -> 2. List)

1. Set the department range that you wish to see.

EX) Department 1 to 10

```
     LIST DEPARTMENT                (1/1)
- Start Number     : [       1]
- End Number       : [      10]
List All-press  [SAVE] key
```

1 **PRINT** **1** **0** **PRINT**

```
    No.  Reference(descript)
1     1   Default
2     1   GROCERY
```

※ If you want to print list, press the TEST key.

2.2.4 Delete Department (Menu code 1213)

(MENU -> 2. PLU Data Table I -> 1.Department -> 2. Delete)

1. Enter Department number

EX) Delete department 2

```
     DELETE DEPARTMENT              (1/1)
Department No. : [ 2]  GROCERY
```

2 **PRINT**

2.2.5 Group (Menu code 1220)

(MENU -> 2. PLU Data Table I -> 2.Group)

This menu is to group any PLU(s) regardless the PLU's "department". Any individual PLU must be involved in any department, but not in any group. User may select any PLUs as a group at users' needs. Especially, grouping PLU(s) can be used to get total sum for a specific.

2.2.6 New/Edit Group (Menu code 1221)

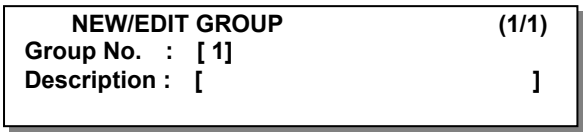
(MENU -> 2. PLU Data Table I -> 1.Group -> 1. New/Edit)

※ You can press the **SAVE** key at anytime to save the current data and if you want to exit without saving, press the **ESC** key.

1. Enter Group Number

Group number is available 1 to 99.

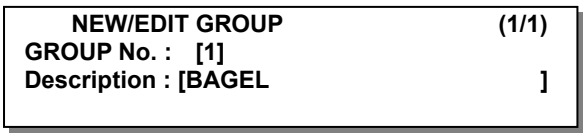
EX) Group No = 1



1 PRINT

2. Enter Group Description

EX) Group Description = BAGEL



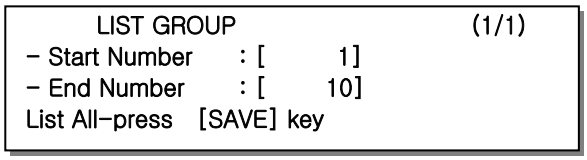
B A G E L PRINT

2.2.7 List Group (Menu code 1222)

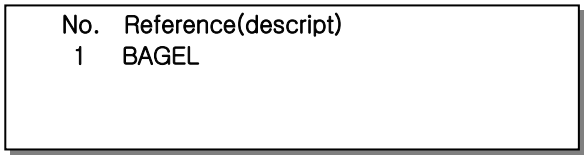
(MENU -> 2. PLU Data Table I -> 2.Group -> 2. List)

1. Set the group range that you wish to see

EX) 1~10



1 PRINT 1 0 PRINT



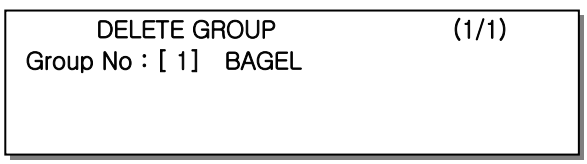
※ If you want to print list, press the TEST key.

2.2.8 Delete Group (Menu code 1223)

(MENU -> 2. PLU Data Table I -> 2.Group -> 3. Delete)

1. Enter group number

EX) Delete group 1.



1 PRINT

2.2.9 Tax Rate (Menu code 1230)

(MENU -> 2. PLU Data Table I -> 3.TAX Rate)

You can use tax number when you create PLU.

2.2.10 New/Edit Tax Rate (Menu code 1231)

(MENU -> 2. PLU Data Table I -> 3.TAX Rate -> 1. New/Edit)

※ You can press the **SAVE** key at anytime to save the current data and if you want to exit without saving, press the **ESC** key.

1. Enter tax number

TAX number is available 1 to 9

EX) TAX No. = 1

1 PRINT

```
NEW/EDIT TAX RATE                (1/2)
TAX No. :  [1]
```

2. Set Tax Type

See Tax Type table as below.

EX) Internal TAX Type

0 PRINT

```
NEW/EDIT TAX RATE                (2/2)
TAX TYPE (0=Int/1=Ext)    : [0]
TAX Rate     : [   0.00] %
```

Tax Type

Item	Symbol	Description
Internal TAX	0	Tax is included in total price
External TAX	1	Tax is added to total price

※ Refer to menu code 1873(T.price = price + Tax) on chapter 2.14.21

3. Enter Tax Rate

EX) Tax Rate = 5.00%

5 0 0

```
NEW/EDIT TAX RATE                (2/2)
TAX TYPE (0=Int/1=Ext)    : [0]
TAX Rate     : [   5.00] %
```

4. Exit Menu

If you want to exit, press “ESC” key.

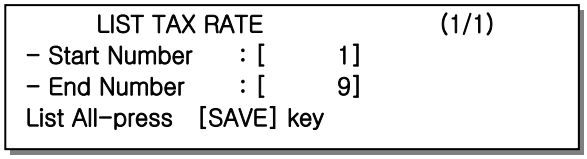
X ESC

2.2.11 List Tax Rate (Menu code 1232)

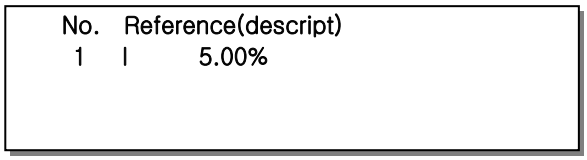
(MENU -> 2. PLU Data Table I -> 3.TAX Rate -> 2. List)

1. Set the range of tax rate

EX) 1~9



1 PRINT 9 PRINT



※ If you want to print list, press the TEST key.

2.2.12 Delete Tax Rate (Menu code 1233)

(MENU -> 2. PLU Data Table I -> 3.TAX Rate -> 3. Delete)

1. Enter tax number

EX) Delete tax number 1

1 PRINT

2.2.13 Sales Message (Menu code 1240)

(MENU -> 2. PLU Data Table I -> 4.Sales Message)

Sales message can be printed on PLU labels so long as the format that you use contains a Sales Message field. This is a great tool for advertising and cross-marketing products.

2.2.14 New/Edit Sales Message (Menu code 1241)

(MENU -> 2. PLU Data Table I -> 4. Sales Message -> 1. New/Edit)

※ You can press the **SAVE** key at anytime to save the current data and if you want to exit without saving, press the **ESC** key.

1. Enter Message Number

Message number is available 1 to 99

EX) Message No. = 1

```
NEW/EDIT SALES MESSAGE          (1/1)
Message No. :  [ 1]
Message     :  [                    ]
```

1 PRINT

2. Enter Message

EX) Message = THANK YOU

```
NEW/EDIT SALES MESSAGE          (1/1)
Message No. :  [1]
Message : [THANK YOU                 ]
```

T H A N K SPACE Y O U PRINT

3. Exit Menu

If you want to exit, press “ESC” key.

X ESC

2.2.15 List Sales Message (Menu code 1242)

(MENU -> 2. PLU Data Table I -> 4. Sales Message -> 2. List)

1. Set the List Range

Set the range of sales message that you wish to check

EX) 1~10

```
LIST SALES MESSAGE              (1/1)
- Start Number     : [      1]
- End Number       : [     10]
List All - press  [SAVE] key
```

1 PRINT 1 0 PRINT

```
No.  Reference(descript)
 1    THANK YOU
```

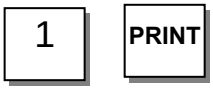
※ If you want to print list, press the TEST key.

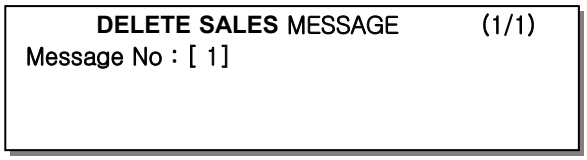
2.2.16 Delete Sales Message (Menu code 1243)

(MENU -> 2. PLU Data Table I -> 4. Sales Message -> 3. Delete)

1. Enter Message No.

EX) Delete message 1.





2.2.17 Origin (Menu code 1250)

(MENU -> 2. PLU Data Table I -> 5.Origin)

You can use origin number when you create PLU.

How to print origin on a label

1. The format that you use contains Origin field
2. Set MENU-> 8.scale config -> 6.parameter -> 2.printing oper(print origin for comm.Line)

2.2.18 New/Edit Origin (Menu code 1251)

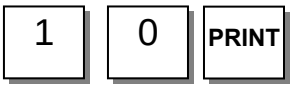
(MENU -> 2. PLU Data Table I -> 5.Origin -> 1. New/Edit)

※ You can press the **SAVE** key at anytime to save the current data and if you want to exit without saving, press the **ESC** key.

1. Enter Origin No.

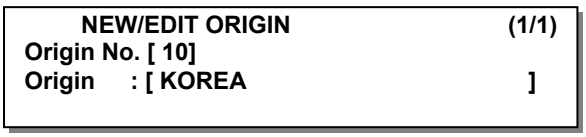
Origin number is available 1 to 500

EX) Origin No = 10



2. Enter Origin

EX) Origin = KOREA



3. Exit Menu

If you want to exit, press “ESC” key.

2.2.19 List Origin (Menu code 1252)

(MENU -> 2. PLU Data Table I -> 5.Origin -> 2. List)

1. Set the List Range
Set the range of origin that you wish to check

EX) 1~20

```
        LIST ORIGIN                    (1/1)
- Start Number     : [       1]
- End Number       : [      20]
List All -  Press [SAVE] Key
```

```
   No.   Reference(descript)
   10      KOREA
```

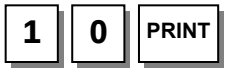
※ If you want to print list, press the TEST key.

2.2.20 Delete Origin (Menu code 1253)

(MENU -> 2. PLU Data Table I -> 5.Origin -> 3. Delete)

1. Enter Origin No.

EX) Delete Origin 10.




```
        DELETE ORIGIN                  (1/1)
Origin No. [ 10]
```

2.2.21 Barcode (Menu code 1260)

(MENU -> 2. PLU Data Table I -> 6.Barcode)

You can use barcode when you create PLU.

Barcode can be changed depending on the Global setting of barcode.

2.2.22 New/Edit Barcode (Menu code 1261)

(MENU -> 2. PLU Data Table I -> 6.Barcode -> 1. New/Edit)

※ You can press the **SAVE** key at anytime to save the current data and if you want to exit without saving, press the **ESC** key.

1. Enter Barcode No.

This value can be from 1 to 99.

EX) Barcode No = 1

1 **PRINT**

```
NEW/EDIT BARCODE                (1/2)
Barcode No : [   1]
Description : [                    ]
```

2. Barcode Description

EX) Barcode Description = EAN13-1

E A N 1 3 - 1 **PRINT**

```
NEW/EDIT BARCODE                (1/2)
Barcode No : [   1]
Description : [EAN13-1             ]
```

3. Barcode Type

* See below table.

EX) Barcode Type = 1. EAN-13

1 **PRINT**

```
NEW/EDIT BARCODE                (2/2)
Type   :  [   1] EAN-13
Form (0~4)   : [0]
          User Defined Barcode
```

■ Type of Barcode

No.	Type	Description
1	EAN-13	13digit
2	EAN13A5	13digit + 5digit
3	EAN-8	8 digit
4	I20F5	2~24 digit
5	UPCA	12 digit
6	UPC-13	13 digit
7	CODE39	Alphanumeric character, Format 'T', prints out the name of PLU.
8	CODE93	
9	CODE128	
10	CODABAR	

4. Enter Barcode Form

You can select from a list of Barcode types or you can create your own custom format

* Refer to below table.

EX) Barcode Form = 1. Change DDIIIIIPPPPPC to GGIIIIIVPPPPC

```
NEW/EDIT BARCODE                (2/2)
Type  :  [  1] EAN-13
Form (0~4)  : [1]
          DDIIIIIPPPPPC
```

1 PRINT G G PRINT

```
BARCODE NO. 1 :  1              (2/2)
Type  :  [  1] EAN-13
From (0~4)  : [1]
          [GGIIIIIPPPPPC                ]
```

■ The following defines the format characters for Barcode Formats : (Example)

Form No.	Format	Description
0	User Defined Barcode	● I: item code ● N: PLU number ● P: price ● V: price check digit (It is created automatically) ● U: unit price ● W: weight ● Q: quantity ● D: department ● G: group ● K: country code (For future) ● A: ticket counter (Only for ticket) ● B: scale transaction counter ● C: total barcode check sum (It is created automatically) ● F: PLU prefix character ● T: text character ● R: transaction counter for each PLU ● L: clerk number ● S: weight code(Swedenish) ● J: swedenish total price ● %: print next fixed character* ● 0~9: numbers
1	DDIIIIIPPPPPC	
2	DDIIIIPPPPPPC	
3	DIIIIIPPPPPPC	
4	DIIIIIIPPPPPC	

*%: It is used to enter characters therefore you cannot use this to enter numbers.

4. Exit Menu

If you want to exit, press “ESC” key.

X ESC

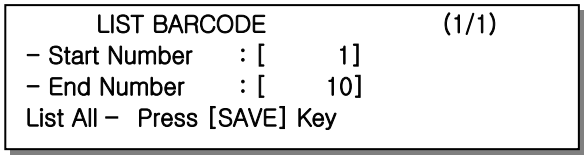
2.2.23 List Barcode (Menu code 1262)

(MENU -> 2. PLU Data Table I -> 6.Barcode -> 2. List)

1. Set the list range

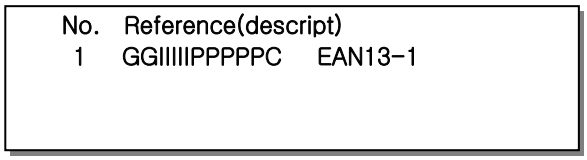
Set the range of barcode that you wish to check

EX) 1~10



1 PRINT

1 0 PRINT

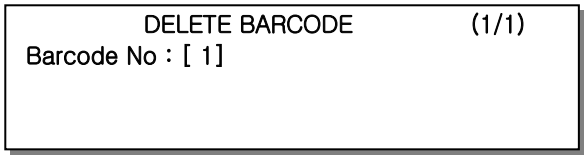


※ If you want to print list, press the TEST key.

2.2.24 Delete Barcode (Menu code 1263)

(MENU -> 2. PLU Data Table I -> 6.Barcode -> 3. Delete)

1. Enter barcode number to delete



EX) Delete barcode 1.

1 PRINT

2.2.25 Tare (Menu code 1270)

(MENU -> 2. PLU Data Table I -> 7.Tare)

If Parameter 584 option (Use Tare No.) is “Yes” you can use this tare number which is set here when you create PLU, If it is set to “No” you have to program tare weight again.

2.2.26 New/Edit Tare (Menu code 1271)

(MENU -> 2. PLU Data Table I -> 7.Tare -> 1. New/Edit)

※ You can press the **SAVE** key at anytime to save the current data and if you want to exit without saving, press the **ESC** key.

1. Enter Tare No.

This value can be from 1 to 99.

EX) Tare No. = 1

```
NEW/EDIT TARE                    (1/2)
Tare No. :   [ 1]
Description : [                   ]
```

1 PRINT

2. Tare Description

EX) Tare Description = Container

```
NEW/EDIT TARE                    (1/2)
Tare No. :   [ 1]
Description  : [CONTAINER         ]
```

C O N T A I N E R **PRINT**

3. Tare Type

There are 2 types as below table

EX) Tare Type = 1, Numeric Tare

```
NEW/EDIT TARE                    (2/2)
Tare Type :   [ 1]   -> Numeric Tare
Tare   : [ 0.000]lb
```

1 PRINT

If you set Tare Type to “2”, put a container on the platter and press the PRINT key after 2~3 seconds.

▶ Type of Tare

Tare No.	Type of Tare	Description
1	Numeric Tare	Enter tare weight by using numeric keys.
2	Weight Tare	Put a container on the platter.

4. Enter Tare Value

EX) Tare = 0.010 lb

```
NEW/EDIT TARE                    (2/2)
Tare Type :   [ 1]   -> Numeric Tare
Tare   : [ 0.010]lb
```

1 0 **PRINT**

5. Exit Menu

If you want to exit, press “ESC” key.

* If you set Tare No. to 1 when you create PLU, tare is set to 0.010lb that is programmed here.

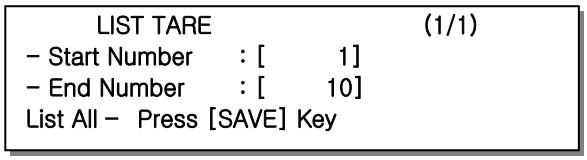
2.2.27 List Tare (Menu code 1272)

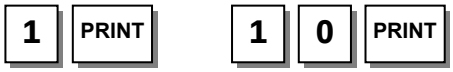
(MENU -> 2. PLU Data Table I -> 7.Tare -> 2. List)

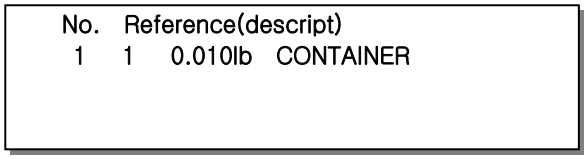
1. Set the list range

Set the range of tare that you wish to check

EX) 1~10







※ If you want to print list, press the TEST key.

2.2.28 Delete Tare (Menu code 1273)

(MENU -> 2. PLU Data Table I -> 7.Tare -> 3. Delete)

1. Enter tare number to delete

EX) Delete tare no. 1

2.2.29 Tare Key (Menu code 1274)

(MENU -> 2. PLU Data Table I -> 7.Tare -> 4.Tare Key)

You can assign Tare Key. There are 9 Tare keys and you have to set these keys in menu 1880 (Key define). See Chapter 2.14.22

1. Enter tare Key

EX) Tare Key = 1

[1] [PRINT]

```
TARE KEY                (1/1)
Tare Key : [ 1]
Tare No. : [   ]
```

2. Enter tare number

EX) Tare No = 1

[1] [PRINT]

```
TARE KEY                (1/1)
Tare Key : [ 1]
Tare No. : [ 1] 0.010lb CONTAINER
```

2.2.30 Unit Symbol (Menu code 1280)

(MENU -> 2. PLU Data Table I -> 8.Unit Symbol)

You can program unit symbol to print label.

2.2.31 New/Edit Unit Symbol (Menu code 1281)

(MENU -> 2. PLU Data Table I -> 8. Unit Symbol -> 1. New/Edit)

※ You can press the **SAVE** key at anytime to save the current data and if you want to exit without saving, press the **ESC** key.

1. Enter unit number

This value can be from 1 to 8.

EX) Qty Unit No. = 1

[1] [PRINT]

```
NEW/EDIT UNIT SYMBOL          (1/1)
Qty Unit No. [1]
Symbol : [      ]
```

2. Enter unit symbol

EX) Symbol = TH

[CHAR] [9] [9] [PRINT]

```
NEW/EDIT UNIT SYMBOL          (1/1)
Qty Unit No. : [1]
Symbol : [TH      ]
```

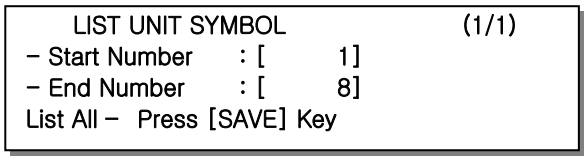
※ If you want to enter special symbol, press the CHAR key and enter the code value. (See **ASCII code table** on chapter 4.4)

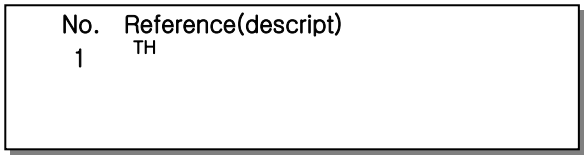
3. Exit menu
If you want to exit, press “ESC” key.

2.2.32 List Unit Symbol (Menu code 1282)

(MENU -> 2. PLU Data Table I -> 8. Unit Symbol -> 2. List)

1. Set the list range
EX) 1~8





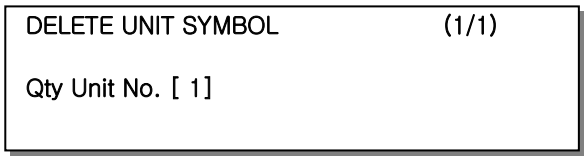
※ If you want to print list, press the TEST key.

2.2.33 Delete Unit Symbol (Menu code 1283)

(MENU -> 2. PLU Data Table I -> 8. Unit Symbol -> 3. Delete)

1. Enter unit symbol number to delete

EX) Delete unit symbol 1.



2.3 Programming PLU Data Table II

2.3.1 Ingredient (Menu code 1310)

(MENU -> 3. PLU Data Table II -> 1.Ingredient)

2.3.2 New/Edit Ingredient (Menu code 1311)

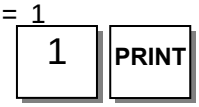
(MENU -> 3. PLU Data Table II -> 1.Ingredient -> 1. New/Edit)

※ You can press the **SAVE** key at anytime to save the current data and if you want to exit without saving, press the **ESC** key.

1. Enter ingredient number.
This value can be from 1 to 999.

```
NEW/EDIT INGREDIENT                (1/1)
Ingredient No. :  [     1]
Ingredients    :  [                    ]  1/510
```

EX) Ingredient number = 1



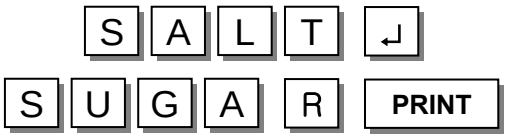
2. Enter ingredient

```
NEW/EDIT INGREDIENT                (1/1)
Ingredient No. :  [     1]
Ingredients    :  [SALT↵SUGAR       ]  1/510
```

EX) Ingredient Line1 = SALT

Ingredient Line 2 = SUGAR

To print “SUGAR” on next line, enter “↵” after “SALT” .



* The number of right side of "[ ]" is digit and total number of character.
* Pressing "PAGE UP/DN" key turns to next or previous page.

3. Exit menu
If you want to exit, press “ESC” key.

2.3.3 List Ingredient (Menu code 1312)

(MENU -> 3. PLU Data Table II -> 1.Ingredient -> 2. List)

1. Set the list range

EX) 1~10

1 **PRINT** **1** **0** **PRINT**

```
     LIST INGREDIENT                (1/1)
- Start Number     : [       1]
- End Number       : [      10]
List All -  Press [SAVE] Key
```

```
   No.   Reference(descript)
    1    SALT↵ SUGAR
```

※ If you want to print list, press the TEST key.

2.3.4 Delete Ingredient (Menu code 1313)

(MENU -> 3. PLU Data Table II -> 1.Ingredient -> 3. Delete)

1. Enter ingredient number to delete

EX) Delete ingredient no. 1

1 **PRINT**

```
     DELETE INGREDIENT              (1/1)
Ingredient No. : [ 1]
```

2.3.5 Nutrition Facts (Menu code 1320)

(MENU -> 3. PLU Data Table II -> 2.Nutrition Facts)

You can program nutrition facts for your needs and you can use this when you create PLU. Nutrition facts is printed small or large size depending on the label format.

▶ Nutrition facts table

Nutrition Facts	Unit
Calories	
Calories From Fat	
Total Fat	G
Saturated Fat	G
Cholesterol	mg
Sodium	mg
Total Carbohydrates	G
Dietary Fibers	G

Sugars	G
Protein	G
Vitamin A	%
Calcium	%
Vitamin C	%
Iron	%
Etc	

2.3.6 New/Edit Nutrition Facts (Menu code 1321)

(MENU -> 3. PLU Data Table II -> 2. Nutrition Facts -> 1. New/Edit)

※ You can press the **SAVE** key at anytime to save the current data and if you want to exit without saving, press the **ESC** key.

You can use the **PG UP** and **PG DOWN** keys to navigate from page to page, or you can use the Arrow keys to go through each page 1 line at a time.

1. Nutrition Fact No

* This value can be from 1 to 500.

EX) Nutrition fact no = 1

1 PRINT

```
                NEW/EDIT NUTRIFACT      (1/10)
Nutrition Fact No. : [  1]
Description : [                          ]
```

2. Enter description

EX) BEEF STEW

B E E F S T E W PRINT

```
                NEW/EDIT NUTRIFACT      (1/10)
Nutrition Fact No : [  1]
Description: [BEEFSTEW                   ]
```

3. Enter Serving Size

EX) Sering size = 1CUP

1 C U P PRINT

```
    NEW/EDIT NUTRIFACT                  (2/10)
Serving Size  : [1CUP     ]
Serving Per   : [         ]
```

4. Serving Per Container

EX) Sering Per Container = 2

2 PRINT

```
                NEW/EDIT NUTRIFACT      (2/10)
Serving Size    : [1CUP     ]
Serving Per     : [2        ]
```

5. Calories

EX) Calories = 230

2 3 0 PRINT

```
                NEW/EDIT NUTRIFACT      (3/10)
Calories              : [    230 ]
Calories From Fat     : [      0 ]
```

6. Calories from fat

EX) Calories From Fat= 120

1 2 0 PRINT

```
                NEW/EDIT NUTRIFACT      (3/10)
Calories          : [    230 ]
Calories From Fat: [    120 ]
```

7. Toral Fat

EX) Total fat = 14 g

1 4 PRINT

```
                NEW/EDIT NUTRIFACT      (4/10)
Total Fat         : [     14 ] g
Saturated Fat     : [      0 ] g
```

8. Saturated fat

EX) Saturated fat = 7 g

7 PRINT

```
                NEW/EDIT NUTRIFACT      (4/10)
Total Fat         : [     14 ] g
Saturated Fat     : [      7 ] g
```

9. Cholesterol

EX) Cholesterol = 40 mg

4 0 PRINT

```
                NEW/EDIT NUTRIFACT      (5/10)
Cholesterol       : [     40 ] mg
Sodium            : [      0 ] mg
```

10. Sodium

EX) Sodium = 950 mg

9 5 0 PRINT

```
                NEW/EDIT NUTRIFACT      (5/10)
Cholesterol       : [     40 ] mg
Sodium            : [    950 ] mg
```

11. Total Carbohydrate

EX) Total Carbohydrate = 16 g

1 6 PRINT

```
                NEW/EDIT NUTRIFACT      (6/10)
Total Carbohydrate : [     16 ] g
Dietary Fibers     : [      0 ] g
```

12. Dietary Fibers

EX) Dietary Fiber = 2 g

2 PRINT

```
                NEW/EDIT NUTRIFACT      (6/10)
Total Carbohydrate : [     16 ] g
Dietary Fibers     : [      2 ] g
```

13. Sugars

EX) Sugars = 3 g

3 PRINT

```
                NEW/EDIT NUTRIFACT      (7/10)
Sugars            : [      3 ] g
Protein           : [      0 ] g
```

14. Protein

EX) Protein = 11 g

1 1 PRINT

```
                NEW/EDIT NUTRIFACT      (7/10)
Sugars          : [       3 ] g
Protein         : [      11 ] g
```

15. Vitamin A

EX) Vitamin A = 20%

2 0 PRINT

```
                NEW/EDIT NUTRIFACT      (8/10)
Vitamin A       : [      20 ] %
Calcium         : [       0 ] %
```

16. Calcium

EX) Calcium = 2%

2 PRINT

```
                NEW/EDIT NUTRIFACT      (8/10)
Vitamin A       : [      20 ] %
Calcium         : [       2 ] %
```

17. Vitamin C

EX) Vitamin C = 0 %

0 PRINT

```
                NEW/EDIT NUTRIFACT      (9/10)
Vitamin C       : [       0 ] %
Iron            : [       0 ] %
```

18. Iron

EX) Iron = 6 %

6 PRINT

```
                NEW/EDIT NUTRIFACT      (9/10)
Vitamin C       : [       0 ] %
Iron            : [       6 ] %
```

19. Etc

EX) Etc = 2

2 PRINT

```
                NEW/EDIT NUTRIFACT      (10/10)
Etc             : [       2 ]
```

20. Exit menu

If you want to exit, press “ESC” key.

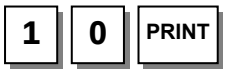
X ESC

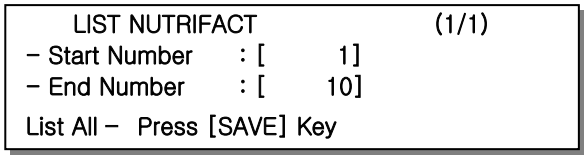
2.3.7 List Nutrition Facts (Menu code 1322)

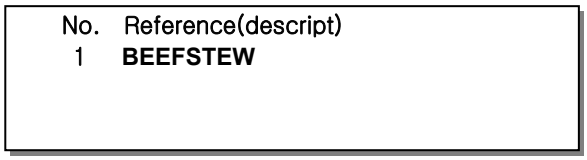
(MENU -> 3. PLU Data Table II -> 2.Nutrition Facts -> 2. List)

1. Set the list range

EX) 1~10







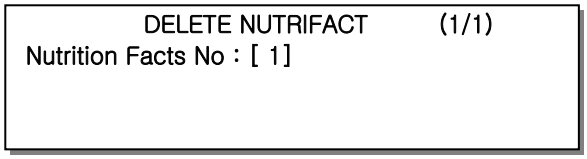
※ If you want to print list, press the TEST key.

2.3.8 Delete Nutrition Facts (Menu code 1323)

(MENU -> 3. PLU Data Table II -> 2.Nutrition Facts -> 3. Delete)

1. Enter nutrition fact number to delete.

EX) Delete nutrition facts no.1



2.4 Discount Programming

2.4.1 Discount (Menu code 1130)

(MENU -> 1. PLU -> 3.Discount)

You have to set discount information for each PLU.

2.4.2 New/Edit Discount (Menu code 1131)

(MENU -> 1. PLU -> 3.Discount -> 1. New/Edit)

※ You can press the **SAVE** key at anytime to save the current data and if you want to exit without saving, press the **ESC** key.
You can use the **PG UP** and **PG DOWN** keys to navigate from page to page, or you can use the Arrow keys to go through each page 1 line at a time.

1. Enter department number and PLU number.

```
NEW/EDIT DISCOUNT                (1/7)
Department No. :  [     1] Default
PLU No. :         [     1] BEEF
```

EX) Department No = 1, PLU No = 1

[1] [PRINT] [1] [PRINT]

2. Enter discount type

Refer to Discount Type table as below

※ Discount information can be different depending on the discount type.

```
WEIGHT DISCOUNT                  (2/7)
Discount Type  :  [     1]
  1. Unit Price Discount
```

EX) 1. Unit Price Discount

[1] [PRINT]

▶ Discount Type

#	Type	Description
1	Unit Price Discount	**- By Weight PLU**: Set the discount amount on unit price, depending on weight. **- By Count/PCS PLU**: Set the discount amount on unit price, depending on number of items.
2	% Unit Price Discount	- **By Weight PLU**: set discount % of unit price, depending on weight. - **By Count/PCS PLU**: set discount % of unit price, depending on number of items.
3	Total Price Discount	- Set discount amount for total price.
4	% Total Price Discount	- Set discount % of total price.
5	Fixed Price	- Set a fixed amount for discount.

6	Free Item	- Set free of charge item.
7	Free Addition	- **By Weight PLU**: Set discount weight. - **By Count/PCS PLU**: Set discount number
8	Total Price by total price	Set a discount amount of total price for current total price.
9	% Total Price by Total Price	- Set a discount % of total price for current total price
10	Unit Price by Total Price	- Set a discount amount of unit price for current total price
11	Extra by Total Price	- Set a discount number of item for current total price

☞ **Please refer to "para 572" when user wants to also see the unit price discounted on "Unit Price" segment together with total price discounted in display**

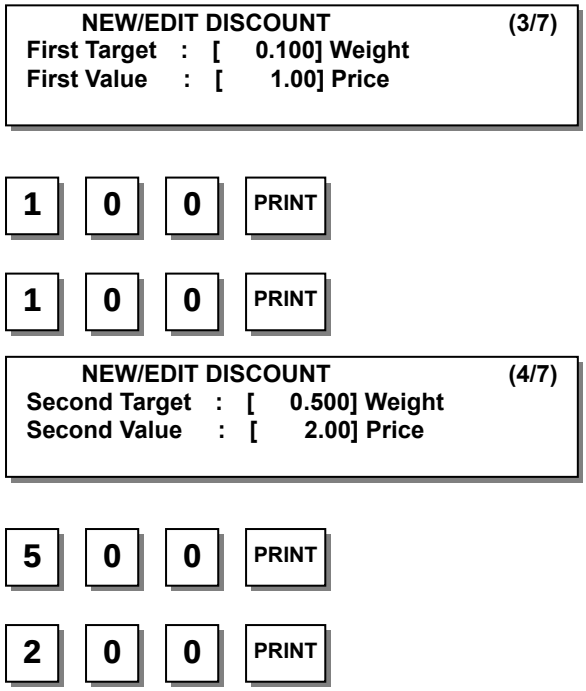
3. Enter discount value

Refer to bleow table.

※ Target unit is different depending on the PLU type. This is By Weight PLU therefore this unit is weight. In case of By count PLU or By PCS PLU, unit is count.

EX) 1st Target : 0.100 lb
1st Value : 1.00 $

2nd Target : 0.500 lb
2nd Value : 2.00 $



No	Type	Description
1	First Target Weight	Set the first weight limit for discount and apply discount for more than limit weight.
2	First Value Price	Set the discount amount of unit price for the first weight limit.
3	Second Target Weight	Set the second weight limit for discount and apply discount for more than limit weight.
4	Second Value Price	Set the discount amount of unit price for the second weight limit.

4. Discount Condition 1 : (Set the day of week)

1-> Discount

0-> Do not discount

EX) Discount on Thursday, Friday and

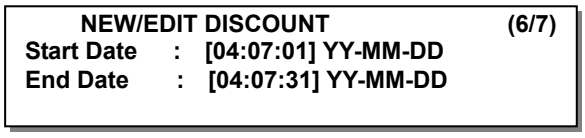
0 0 0 0 1 1 1 PRINT

5. Discount Condition 2 : (Set date and time)

※ If you set date and time to 0, it means discount all the time

EX) Start Date : 04-07-01

End Date : 04-07-31

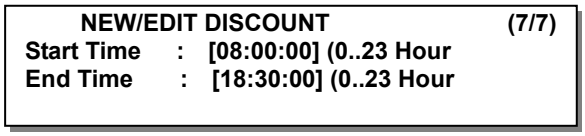


0 4 0 7 0 1 PRINT

0 4 0 7 3 1 PRINT

Start Time : 8 am

End Time : 6:30pm



0 8 0 0 0 0 PRINT

1 8 3 0 0 0 PRINT

6. Exit menu

If you want to exit, press the ESC key.

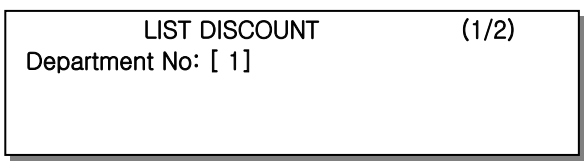
X ESC

2.4.3 List Discount (Menu code 1132)

(MENU -> 1. PLU -> 3.Discount -> 2.List)

1. Enter department number to check

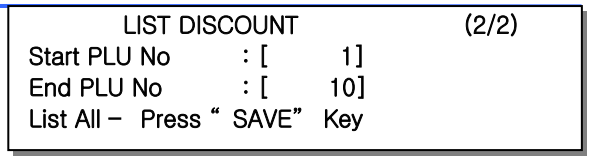
EX) Department No 1.



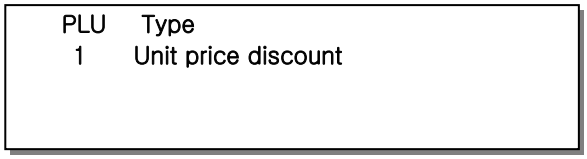
1 PRINT

2. Enter PLU range to check

EX) PLU 1~10



1 PRINT 1 0 PRINT



※ If you want to print list, press the TEST key.

2.4.4 Delete Discount (Menu code 1133)

(MENU -> 1. PLU -> 3.Discount -> 3.Delete)

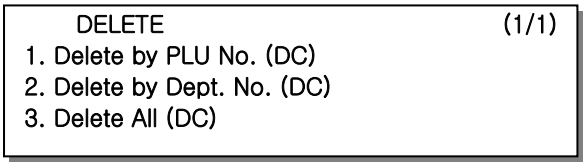
There are three ways to delete Discount. Simply enter the number that you wish to delete.

2.4.5 Delete by PLU No. (DC) (Menu code 1137)

(MENU -> 1. PLU -> 3.Discount -> 3.Delete->1.Delete by PLU no.(DC)

EX) Press 1 key to select Delete by PLU No.(DC)

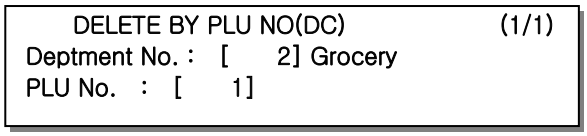
1 PRINT



1. Enter the department number and PLU number to delete

EX) Department number = 2
PLU number =1

2 PRINT 1 PRINT

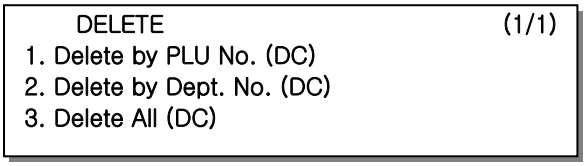


2.4.6 Delete by Dept. No. (DC) (Menu code 1138)

(MENU -> 1. PLU -> 3.Discount->3.Delete->2.Delete by Dept. No (DC)

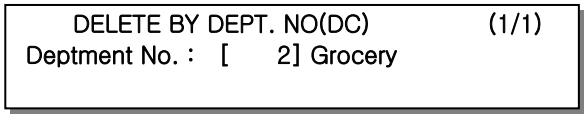
EX) Press 2 key to select Delete by Dept. No.(DC)

2 PRINT



1. Enter the department number to delete

EX) Department number = 2



2 PRINT

2.4.7 Delete ALL (DC) (Menu code 1139)

(MENU -> 1. PLU -> 3.Discount -> 3.Delete->3.Delete ALL(DC)

EX) Press 3 key to select Delete all(DC)

3 **PRINT**

```
DELETE                                  (1/1)
1. Delete by PLU No. (DC)
2. Delete by Dept. No. (DC)
3. Delete All (DC)
```

1. Enter the department number and PLU number to delete

EX) Press 1 key to select Delete all (DC)

1 **PRINT**

```
DELETE ALL(DC)                          (1/1)
Are you sure?(1=Y/0=N) [   ]
```

2.5 Global Discount Programming

2.5.1 Global Discount (Menu code 1530)

(MENU -> 5. Global Setting -> 3.Discount)

You can apply same discount regardless of PLU.

2.5.2 Priority Setting (Menu code 1531)

(MENU -> 5.Global -> 3.Discount -> 1.Priority)

You can set discount type. Refer to Discount Priority Setting Table as below..

You can see discount information on the display by setting of menu 1871 and also you can check it on a label. (See chapter 2.14.21)

▶ Discount Priority Setting

No	Type	Description
0	No Discount	No discount applied
1	PLU Discount	PLU discount only applied
2	Global Discount	Global discount only applied
3	No Discount in PLU then Global	PLU discount is applied. If there is no PLU discount, apply global discount

2.5.3 Weight/Count/PCS Discount (Menu code 1532/1533/1534)

If you want to apply same discount regardless of PLU, you can set discount information in menu code, 1532, 1533 and 1544. Refer to Discount Programming on chapter 2.4.2

Global Discount condition by weight Item (Menu code 1532)

(MENU -> 5.Global -> 3.Discount -> 2.Weight discount)

Global Discount condition by Count Item (Menu code 1533)

(MENU -> 5.Global -> 3.Discount -> 3.Count discount)

Global Discount condition by PCS Item (Menu code 1534)

(MENU -> 5.Global -> 3.Discount -> 4.PCS discount)

2.6 Speed Key Setting

This menu is to set “speed keys”, one-touch keys, for most frequently used PLUs to simply call up them. You can program up to 5 speed key set. Remember that there is a **SHIFT** key that allows you to double-use the Speed Keys. The Speed keys are numbered left-to-right and top-to-bottom.

You can use speed key set number when you program menu 1211.(See chapter 2.2.2)

☞ **User can not assign the function key as speed keys.**

2.6.1 Speed Key (Menu code 1160)

(MENU -> 1.PLU -> 6.Speed Key)

1. Speed Key Set No.

Enter speed key set no. You can use this number when you program menu 1211. (See the chapter 2.2.2)

EX) Speed key set No. = 2

2 PRINT

```
SPEED KEY                    (1/2)

Speed Key Set No: [  2]
```

2. Speed Key Programming

The Speed keys are numbered left-to-right and top-to-bottom. In case of standard type, there are 8 columns and 6 rows for a total of 48 physical keys but if you press the **SHIFT** key and then one of the 48 Speed keys, then you can access Speed keys 49 through 96. In case of pole type, there are 72 keys but if you press the **SHIFT** key and then one of the 72 Speed keys, then you can access Speed keys 73 through 144.

EX1) Speed key no. 1

A PRINT

```
SPEED KEY                    (2/2)
Speed Key No  :  [    1]
PLU No  :  [    0]
```

EX2) Speed key no. 49
(In case of standard type)

SHIFT A PRINT

```
SPEED KEY                    (2/2)
Speed Key No  :  [   49]
PLU No  :  [    0]
```

2. PLU No.

Enter PLU no. to assign speed key
* PLU should be belong to scale’s department.

EX1) PLU 10 = BEEF

1 0 PRINT

```
SPEED KEY                    (2/2)
Speed Key No  :  [    1]
PLU No  :  [   10] BEEF
```

2.7 Traceability

2.7.1 Traceability (Menu code 1330)

(MENU -> 3. PLU Data Table II -> 3.Traceability)

You can use this traceability number when you program PLU.

2.7.2 New/Edit Traceability (Menu code 1331)

(MENU -> 3. PLU Data Table II -> 3.Traceability -> 1. New/Edit)

※ You can press the **SAVE** key at anytime to save the current data and if you want to exit without saving, press the **ESC** key.

1. Enter traceability number

This value can be from 1 to 99.

EX) Traceability number = 1

1 PRINT

```
NEW/EDIT TRACEABILITY          (1/3)
Traceability No. :  [     1]
Description : [                   ]
```

2. Enter description

EX) Description = SIRLOIN

S I R L O I N PRINT

```
NEW/EDIT TRACEABILITY          (1/3)
Traceability No. :  [     1]
Description: [SIRLOIN             ]
```

3. Born in country number

EX) Born in country No. = 1. SWEDEN

Note : To program country, see chapter 2.8 Country programming.

1 PRINT

```
NEW/EDIT TRACEABILITY          (2/3)
Born in Country No. :  [     1]
Bred in Country No. :  [     1]
          SWEDEN
```

4. Bred in country number

EX) Bred in country No. = 95. KOREA

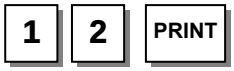
9 5 PRINT

```
NEW/EDIT TRACEABILITY          (2/3)
Born in Country No. :  [     1]
Bred in Country No. :  [    95]
          KOREA
```

5. Slaughter house numer

EX) Slaughter house No. = 12. BILLY'S

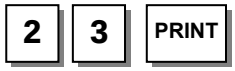
Note : To program slauter house, see page 76 (2.9 Slauter house programming).




```
NEW/EDIT TRACEABILITY          (3/3)
Slaughter House No.  :  [ 12]
Cutting Hall No.     :  [  1]
        BILLY'S
```

6. Cutting hall number

EX) Cutting hall No. = 23. HAN'S CUT




```
NEW/EDIT TRACEABILITY          (3/3)
Slaughter House No.  :  [ 12]
Cutting Hall No.     :  [ 23]
        HAN'S CUT
```

7. Exit menu

If you want to exit, press "ESC" key.

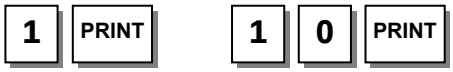
2.7.3 List Traceability (Menu code 1332)

(MENU -> 3. PLU Data Table II -> 3.Traceability -> 2. List)

1. Set the list range

Set the list range to check

EX) 1~10




```
LIST TRACEABILITY                (1/1)
- Start Number     : [       1]
- End Number       : [      10]
List All -  press  [SAVE] key
```

```
No.  Traceability
1 : 99 : 12 : 23 :    SIRLOIN
```

※ If you want to print list, press the TEST key.

2.7.4 Delete Traceability (Menu code 1333)

(MENU -> 3. PLU Data Table II -> 3.Traceability -> 3. Delete)

1. Enter traceability number to delete

EX) Delete traceability no. 2

```
DELETE TRACEABILITY          (1/1)
Traceability No : [ 2]
```

2.8 Country Programming

2.8.1 Country (Menu code 1340)

(MENU -> 3. PLU Data Table II -> 4.Country)

You can use country data when you program traceability.

2.8.2 New/Edit Country (Menu code 1341)

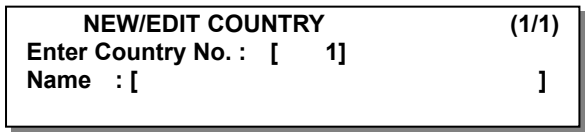
(MENU -> 3. PLU Data Table II -> 4.Country -> 1. New/Edit)

※ You can press the **SAVE** key at anytime to save the current data and if you want to exit without saving, press the **ESC** key.

1. Enter country number

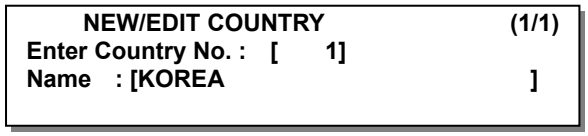
This value can be from 1 to 250.

EX) Country No. = 1



2. Enter country name

EX) Name = KOREA



3. Exit menu

If you want to exit, press “ESC” key.

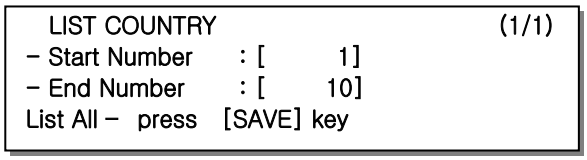
2.8.3 List Country (Menu code 1342)

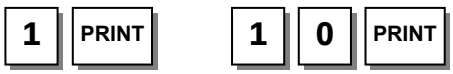
(MENU -> 3. PLU Data Table II -> 4.Country -> 2. List)

1. Set the list range

Set the list range to check

EX) 1~10





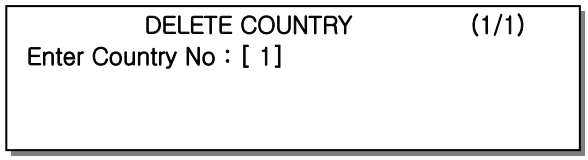
※ If you want to print list, press the TEST key.

2.8.4 Delete Country (Menu code 1343)

(MENU -> 3. PLU Data Table II -> 4.Country -> 3. Delete)

1. Enter country number to delete

EX) Delete country no. 1



1 PRINT

2.9 Programming Slaughter House

2.9.1 Slaughter House (Menu code 1350)

(MENU -> 3. PLU Data Table II -> 5.Slaughter House)

You can use slaughter house data when you program traceability.

2.9.2 New/Edit Slaughter House (Menu code 1351)

(MENU -> 3. PLU Data Table II -> 5.Slaughter House -> 1. New/Edit)

※ You can press the **SAVE** key at anytime to save the current data and if you want to exit without saving, press the **ESC** key.

1. Enter slaughter House number

This value can be from 1 to 99..

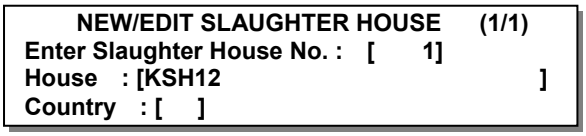
EX) Slaughter house No. = 1

1 PRINT

2. Enter Slaughter House

Enter slaughter house name or registered number.

EX) Slaughter house registered no. = KSH12



K S H 1 2 PRINT

3. Enter slaughter house country number

You can use contry number which is programmed at menu 1341

EX) Slaughter house Country No. = 1. KOREA

1 PRINT

4. Exit menu

If you want to exit, press “ESC” key.

X ESC

2.9.3 List Slaughter House (Menu code 1352)

(MENU -> 3. PLU Data Table II -> 5.Slaughter house -> 2. List)

1. Set the list range
Enter list range to check

EX) 1~10

```
      LIST SLAUGHTER HOUSE      (1/1)
- Start Number     : [        1]
- End Number       : [       10]
List All -  press  [SAVE] key
```

1 **PRINT** **1** **0** **PRINT**

※ If you want to print list, press the TEST key.

2.9.4 Delete Slaughter House (Menu code 1353)

(MENU -> 3. PLU Data Table II -> 5.Slaughter House -> 3. Delete)

1. Enter slaughter house number to delete

EX) Delete slaughter house no. 1

```
   DELETE SLAUGHTER HOUSE      (1/1)
Enter Slaughter House No : [ 1]
```

1 **PRINT**

2.10 Programming Cutting Hall

2.10.1 Cutting Hall (Menu code 1360)

(MENU -> 3. PLU Data Table II -> 6.Cutting Hall)

You can use this cutting hall data when you program traceability.

2.10.2 New/Edit Cutting Hall (Menu code 1361)

(MENU -> 3. PLU Data Table II -> 6.Cutting Hall -> 1. New/Edit)

※ You can press the **SAVE** key at anytime to save the current data and if you want to exit without saving, press the **ESC** key.

1. Enter cuttting hall number
This value can be from 1 to 99

EX) Cutting hall no. = 1

```
      NEW/EDIT CUTTING HALL      (1/1)
EnterCutting Hall No. :  [     1]
Hall  : [                          ]
Country  : [  0]
```

1 **PRINT**

2. Enter cutting hall information

Enter cutting hall name or registered number.

EX) Cutting hall registered number = KSH12

K C H 1 2 PRINT

```
NEW/EDIT CUTTING HALL          (1/1)
Enter Cutting Hall House No. :  [     1]
Hall   : [KCH12                        ]
Country  : [   0]
```

3. Cutting hall Country number

You can use contry number which is programmed at menu 1341 (See page 74)

EX) Cutting Hall Country no. = 1. KOREA

1 PRINT

```
NEW/EDIT CUTTING HALL          (1/1)
Enter Cutting Hall House No. :  [     1]
Hall   : [KCH12                        ]
Country  : [   1]
```

4. Exit menu

If you want to exit, press “ESC” key.

X ESC

2.10.3 List Cutting Hall (Menu code 1362)

(MENU -> 3. PLU Data Table II -> 6.Cutting Hall -> 2. List)

1. Set the list range

Set the list range to check

EX) 1~10

1 PRINT 1 0 PRINT

```
LIST CUTTING HALL          (1/1)
- Start Number     : [       1]
- End Number       : [      10]
List All -  press  [SAVE] key
```

```
No.  reference(descript.)
  1  1 :  KCH12
```

※ If you want to print list, press the TEST key.

2.10.4 Delete Cutting Hall (Menu code 1363)

(MENU -> 3. PLU Data Table II -> 6.Cutting Hall -> 3. Delete)

1. Enter cutting hall number to delete

EX) Delete cutting hall no. 1

1 PRINT

```
DELETE CUTTING HALL          (1/1)
Enter Cutting Hall No. : [ 1]
```

2.11 Programming Store Data

This chapter explains how to access, program STORE data table (Price Look Up) in CL5000 series.

2.11.1 Store Data (Menu code 1410)

(MENU -> 4. Store Data Table ->1.Store)

This section shows how to create, edit, list and delete store, customer, and advertisement message data.

2.11.2 New/Edit Store (Menu code 1411)

(MENU -> 4. Store Data Table ->1.Store -> 1.New/Edit Store)

1. Enter store number.
EX) #1

1 PRINT

2. Press “PRINT” key and enter appropriate text in “NAME”.
EX) NAME=YANGJOO

PRINT Y A N G J O O

3. Press “PRINT” key, then user may enter other store information such as TELEPHONE NUMBER or any text information.
EX) TEL.#=0318200730, TEXT=1 HO

4. Press “PRINT” key and user may go back to STORE main menu by using “ESC” key.

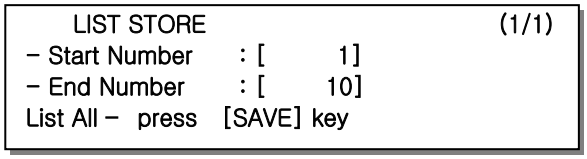
X ESC

2.11.3 List Store (Menu code 1412)

(MENU -> 4. Store Data Table ->1.Store -> 2.List Store)

- This menu shows the list of STORE saved.
- Press “2” in STORE menu to get into LIST STORE menu.
- Press “SAVE” key to list all of STORE information saved.

1. Set the list range
Set the list range to check
EX) 1~10



1 PRINT 1 0 PRINT

※ If you want to print list, press the TEST key.

2.11.4 Delete Store (Menu code 1413)

(MENU -> 4. Store Data Table ->1.Store -> 3.Delete Store)

- This menu is to delete the STORE user wish to.
- Press “3” in STORE menu to get into DELETE STORE menu.

1. Enter cutting hall number to delete

EX) Delete cutting hall no. 1

1 PRINT

2.11.5 Customer (Menu code 1420)

(MENU -> 4. Store Data Table -> 2.Customer)

This section shows how to register customers’ account and their information. Customer information is to manage the specific customer’s account receivable.

* Customer registration is used for printing a receipt of credit transactions

2.11.6 New/Edit Customer (Menu code 1421)

(MENU -> 4. Store Data Table -> 2.Customer -> 1.New/Edit)

1. Enter Customer number and press “PRINT” key.

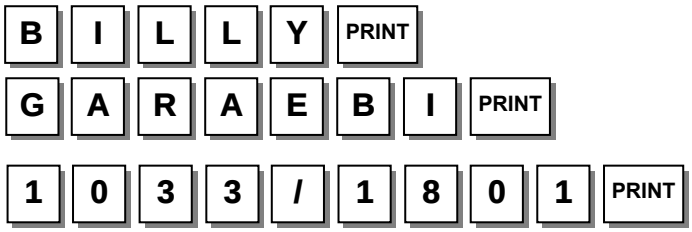
EX) Customer No.=1,

```
NEW/EDIT CUSTOMER                (1/3)
Customer No. : [ 1   ]
```

2. Enter other informations in [ ], such as Name, Address1, and Address2.

EX) NAME=BILLY, ADDRESS 1=GARAEBI.

ADDRESS 2=1033/1801

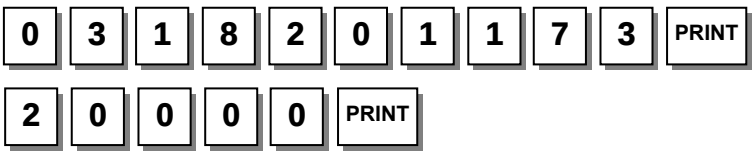



```
NEW/EDIT CUSTOMER                (2/3)
Name              : [BILLY          ]
Address 1   : [GARAEBI          ]
Address 2   : [ 1033/1801       ]
```

3. Press “PRINT” key, then user may enter the Address 3, TEL. Number and customer’s CREDIT LIMIT AMOUNT.

EX) TEL.=0318201173

CREDIT LIMIT AMOUNT=200.00




```
NEW/EDIT CUSTOMER                (3/3)
Address 3   : [                  ]
TEL.              : [0318201173          ]
Credit Limit Amount : [       200.00 ]
```

④ Press “PRINT” key to enter the information. User may go back to main CUSTOMER menu by pressing “X/ESC” key.

2.11.7 List Customer (Menu code 1422)

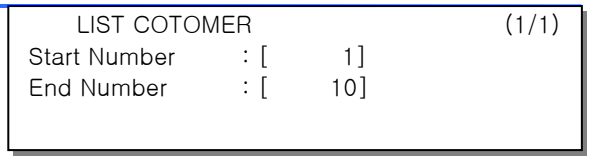
(MENU -> 4. Store Data Table -> 2.Customer -> 2.List)

- This menu shows the list of CUSTOMER saved.
- Press “2” in CUSTOMER menu to get into LIST CUSTOMER menu.
- Press “SAVE” key to list all of CUSTOMER information saved.

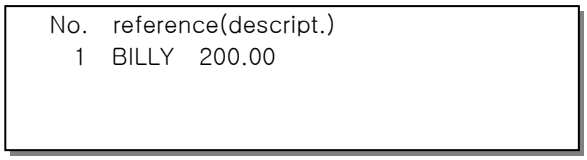
1. Set the list range

Set the list range to check

EX) 1~10



1 PRINT 1 0 PRINT



※ If you want to print list, press the TEST key.

2.11.8 Delete Customer (Menu code 1423)

(MENU -> 4. Store Data Table -> 2.Customer -> 3.Delete)

- This menu is to delete the CUSTOMER user wish to.
- Press “3” in CUSTOMER menu to get into DELETE CUSTOMER menu.
- Enter customer number to delete.

1. Enter cutting hall number to delete

EX) Delete cutting hall no. 1

1 PRINT

2.11.9 Scroll Message (Menu code 1430)

(MENU -> 4. Store Data Table -> 3.Scroll Message)

This function is to set the scrolling advertisement on LCD Display.

2.11.10 Configuration (Menu Code 1431)

(MENU->4. Store Data Table -> 3.Scroll Message -> 1. Configuration)

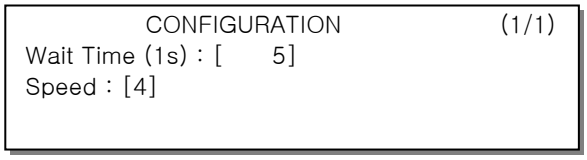
1. Configuration

User may set the wait time from 1 to 9999 second. Setting wait time as ‘0’ is not to use “Scroll Message” function.

EX) Wait Time = 5

“Speed” means the scrolling speed of message. User may set it from 1 to 9.

Default speed: 4 (recommended).



5 PRINT

4 PRINT

2.11.11 Edit Scroll Message (Menu Code 1432)

(MENU -> 4. Store Data Table -> 3. Scroll Message ->2. Edit Scroll Message)

1. Input and edit Message

```
EDIT SCROLL MESSAGE        (1/7)
Message No. : [1]
Message     : [Scroll Message....      ]
```

User may input up to five messages and select two different scrolling effect.

Please input messages No. and message.

2. Set scrolling message effect

```
EDIT SCROLL MESSAGE        (2/7)
Effect : [1]
  -> Left to Right
```

Effect =0 : No use of scrolling message effect.

Effect =1 : Scroll message left to right

Effect =2 : Scroll message right to left

3. Select use or unuse for scrolling message

```
EDIT SCROLL MESSAGE        (3/7)
Use message (Y/N) : [Y]
```

If you set [N] at Use Setting, this scrolling message is not use. If it use this scroll, then set [Y]

4. Set date of scroll message

```
EDIT SCROLL MESSAGE        (4/7)
Date Setting (Y/N) : [Y]
```

If you set “Y”[1] at Date Setting, you can go to next screen to set day of week.

(For example, if you set M to 0, scroll message is not shown on Monday.)

```
EDIT SCROLL MESSAGE        (5/7)
Input ‘1’ or ‘0’ : [SMTWTFS]
Day of Week      : [1111111]
```

You have to enter date.

If you set Start Date to 00-00-00, it means that scroll message is shown from now and if you set End Date to 00-00-00, it means that scroll message is shown from now until December 31, 99

```
EDIT SCROLL MESSAGE        (6/7)
Start Date : [00-00-00] DD-MM-YY
End   Date : [00-00-00] DD-MM-YY
```

You have to enter time.

You have to enter hour, minute, and second in regural sequence and start time should be lower than end time.

```
EDIT SCROLL MESSAGE        (7/7)
Start Time : [00:00:00]
End   Time : [00:00:00]
```

2.11.12 List Scroll Message (Menu Code 1433)

(MENU -> 4.Store Data Table -> 3.Scroll Message -> 3.List)

This function is to set the scrolling advertisement on LCD Display.

1. Set the list range
Set the list range to check
EX) 1~10

```
     LIST COTOMER                    (1/1)
- Start Number     : [        1]
- End Number       : [       10]
List All -  Press [SAVE] key
```

[1] [PRINT] [1] [0] [PRINT]

2.11.13 Currency (Menu code 1440)

(MENU -> 4. Store Data Table -> 4. Currency)

User may save rate of currency to default currency and convert to another currency simply by this function.

☞ Please refer to “Menu 1880 Function key definition”.

2.11.14 New/Edit Currency (Menu Code 1441)

(MENU -> 4. Store Data Table -> 4.Currency -> 1.New/Edit)

1. Numbering Currency
User may save up to 4 different currencies by numbering 1~4.
EX) Currency No. = 1

```
          NEW/EDIT CURRENCY          (1/3)
Enter Currency No : [1]
Rate Decimal Point : [4]
```

[1] [PRINT]

2. Rate Decimal Point
Enter th Rate Decimal Point (default = 4)
EX) Rate Decimal Point = 3

```
          NEW/EDIT CURRENCY          (1/3)
Enter Currency No : [1]
Rate Decimal Point : [3]
```

[3] [PRINT]

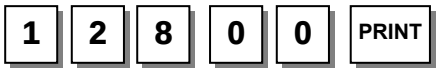
3. Currency Rate.

Enter comparative rate of currency to default currency set.

EX) Default currency = $1.00

Comparative currency rate to default currency

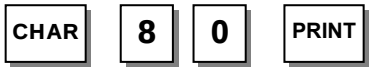
= € 1.2800.

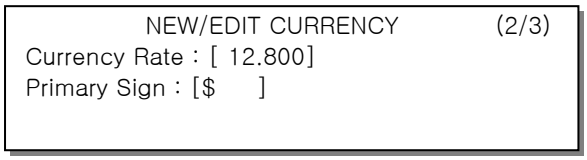


4. Primary Sign

Enter the first currency sign to be changed.

EX) Primary Sign = $

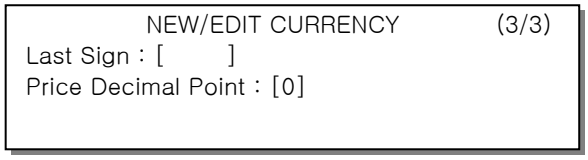




5. Last Symbol

Enter the last currency symbol to be changed.

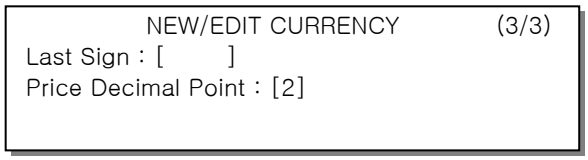
EX) No last symbol



6. Price Decimal Digit

Enter the number of decimal digit

EX) Price Decimal point digit = 2



☞ Printing formats of **currency symbol**

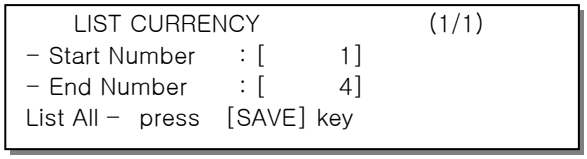
No	Printing Format	Remarks
0	“100.00”, “0.12”	
1	“$ 100.00”, “$ 0.12”	
2	“100.00 $”, “0.12 $”	
3	“$ 100.00 c”, “$ 0.12 c”	
4	“$ 100.00 c”, “12 c” (Greek)	When total amount is less than 1, only “Last currency symbol” shows up.
5	“$100.00”, “$0.12”	
6	“100.00$”, “0.12$”	
7	“$100.00c”, “$0.12c”	
8	“$100.00c”, “12c” (Greek)	When total amount is less than 1, only “Last currency symbol” shows up.

2.11.15 List Currency (Menu Code 1442)

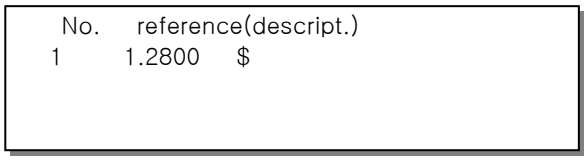
(MENU -> 4. Store Data Table -> 4.Currency -> 2.List)

1. Set the list range
Set the list range to check

EX) 1~4



1 **PRINT** **4** **PRINT**



※ If you want to print list, press the TEST key.

2.11.16 Delete Currency (Menu code 1443)

(MENU -> 4. Store Data Table -> 4.Currency -> 3.Delete)

1. Currency number to delete

EX) Delete Currency no. 2 **2** **PRINT**

2.12 Programming Global Setting

2.12.1 Global Label Format (Menu code 1510)

(MENU -> 5. Global Setting -> 1.Label Format)

Pre-programmed fixed label formats are from #1 to #10 and these formats cannot be modified.

Label format #11~#30 are free formats that users may modify at their needs. Users may download one into the scale and set a specific free label format. (Refer to 4.2 Label format on chapter 2.14.20)

※ You can press the **SAVE** key at anytime to save the current data and if you want to exit without saving, press the **ESC** key.

1. Global Label

If you use Global Label, enter 1. If not, enter 0.
*If you set it to 1, 1st format number is ignored which is set in PLU programming
*2nd label format is printed if it is set.

EX) Use global label

[1] [PRINT]

```
      LABEL   FORMAT                    (1/3)
Use Global Label (1=Y/0=N): [Y]
PLU Label No.          : [0]
```

2. Set PLU label No.

Set PLU label number

EX) PLU Label No. = 2. IS6040-0000(60x40)

[2] [PRINT]

```
      LABEL   FORMAT                    (1/3)
Use Global Label (1=Y/0=N): [Y]
PLU Label No.              :[2]
  IS6040-0000(60x40)
```

3. Set Miscellaneous label number

Set label format for miscellaneous item.

EX) Misc. Label ID = 2. IS6040-0000(60x40)

[2] [PRINT]

```
      LABEL   FORMAT                    (2/3)
Misc. Label No.          : [ 2 ]
Total Label No.          : [ 2 ]
    IS6040-0000(60x40)
```

4. Set total label number

Set label format of total label for Add-Up sales.

EX) Total label No. = 10 , TC6060-0002(60x60)

[1] [0] [PRINT]

```
      LABEL   FORMAT                    (2/3)
Misc. Label No.          : [ 2 ]
Total Label No.          : [10]
    TC6040-0000(60x40)
```

5. Set printing direction of total label

EX) Reverse Total Label = "Y"

```
     LABEL   FORMAT                (3/3)
Reverse Total Label      : [ Y ]
Reverse Item Label       : [ N ]
```

6. Set printing direction of PLU and Misc. item

EX) Reverse Item Label = "Y"

```
     LABEL   FORMAT                (3/3)
Reverse Total Label      : [ Y ]
Reverse Item Label       : [ Y ]
```

7. Exit menu

If you want to exit, press "ESC" key.

2.12.2 Barcode Format (Menu code 1520)

(MENU -> 5. Global Setting -> 2.Barcode)

Global Barcode Setting provides all-in-one barcode setting by selecting nine different barcode options so that user does not need to save data for individual PLUs one by one. All related barcode data are selected and saved from PLU barcode data table user may already register.

※ You can press the **SAVE** key at anytime to save the current data and if you want to exit without saving, press the **ESC** key.

1. Set Global Barcode

If you use global barcode, enter 1. If not, enter 0.
*If you set it to 1, barcode number is ignored which is set in PLU programming

EX) Use global barcode

```
     BARCODE                       (1/4)
Use Global Barcode (1=Y/0=N)     : [ Y ]
PLU Weight Barcode No.           : [ 0 ]
PLU Count Barcode No.            : [ 0 ]
```

2. Set barcode number for by-weight PLU

EX) PLU Weight barcode No. = 2

```
     BARCODE                       (1/4)
Use Global Barcode (1=Y/0=N)     : [ Y ]
PLU Weight Barcode No.           : [ 2 ]
PLU Count Barcode No.            : [ 0 ]
```

3. Set barcode number for by-count PLU

EX) PLU Count barcode No. = 2

2 PRINT

```
BARCODE                              (1/4)
Use Global Barcode (1=Y/0=N)    : [ Y ]
PLU Weight Barcode No.          : [ 2 ]
PLU Count Barcode No.           : [ 2 ]
```

4. Set barcode number for by-PCS PLU

EX) PLU PCS barcode No. = 2

2 PRINT

```
BARCODE                              (2/4)
PLU PCS  Barcode No.            : [ 2 ]
PLU Fixed Barcode No.           : [ 2 ]
Misc. Weight Barcode No.        : [ 0 ]
```

5. Set barcode number for fixed PLU

EX) PLU fixed barcode No. = 2

2 PRINT

```
BARCODE                              (2/4)
PLU PCS  Barcode No.            : [ 2 ]
PLU Fixed barcode No.           : [ 2 ]
Misc. Weight Barcode No.        : [ 2 ]
```

6. Set barcode number for Misc. weight item

EX) Misc. weight barcode No. = 2

2 PRINT

```
BARCODE                              (2/4)
PLU PCS  Barcode No.            : [ 2 ]
PLU Fixed barcode No.           : [ 2 ]
Misc. Weight Barcode No.        : [ 2 ]
```

7. Set barcode number for Misc. count item

EX) Misc. count barcode No. = 2

2 PRINT

```
BARCODE                              (3/4)
Misc. Count Barcode No.         : [ 2 ]
Misc. pcs Barcode No.           : [ 2 ]
Add-Up TTL Barcode No.          : [ 0 ]
```

8. Set barcode number for Misc. PCS Item

EX) Misc. PCS barcode No. = 2

2 PRINT

```
BARCODE                              (3/4)
Misc. Count Barcode No.         : [ 2 ]
Misc. pcs Barcode No.           : [ 2 ]
Add-Up TTL Barcode No.          : [ 0 ]
```

9. Set barcode number for Add-Up Total

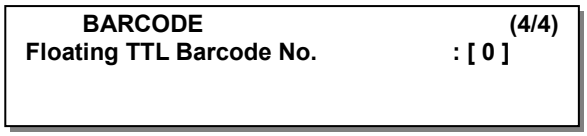
EX) Add Up TTL barcode No. = 2

2 PRINT

```
BARCODE                              (3/4)
Misc. Count Barcode No.         : [ 2 ]
Misc. pcs Barcode No.           : [ 2 ]
Add-Up TTL Barcode No.          : [ 0 ]
```

10. Set barcode number for floating Total

EX) Floating TTL barcode No. = 2



2 PRINT

11. Exit menu

If you want to exit, press “ESC” key.

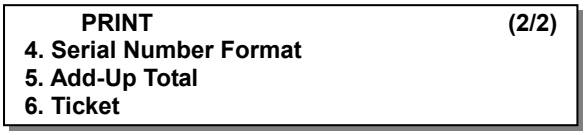
X ESC

2.13 Printing Programming

This chapter explains how to set printing-related environments, such as print label item, markdown, Hardware, serial number format, and ticket.

2.13.1 Printing (Menu code 1700)

(MENU -> 7. Print)



■ PRINT Submenu

No.	Submenus	Description
1	Print Label Item	Select item(s) which is(are) not printed on label.
2	Markdown	Select “Yes” or “No” to print both of original and discount information on the label.
3	Print Hardware	Set the label type and sensor of printer
4	Serial Number Format	Set the format of serial number to print label or ticket
5	ADD-UP Total	Select add-up total label whether is printed or not
6	Ticket	Set printing item for ticket

2.13.2 Print label item (Menu code 1710)

(MENU -> 7. Print -> 1.Print Label Item)

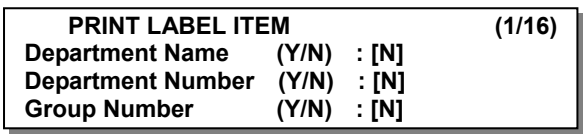
If you set any of the items to Y, then they will NOT print on any labels regardless of the label format.

You can use the **PG UP** and **PG DOWN** keys to navigate from page to page, or you can use the Arrow keys to go through each page 1 line at a time.

※ You can press the **SAVE** key at anytime to save the current data and if you want to exit without saving, press the **ESC** key.

1.If you do not want to print, enter 0(N), if you want to print, enter 1(Y).

1 PRINT or 0 PRINT



▶ “Print Label Item”

Page	Item
1	Department Name
	Department Number
	Group Number
2	PLU Number
	PLU Name 1
	PLU Name 2
3	PLU Name 3
	Item Code
	Unit Weight
4	Tax Rate
	Tax Price
	Tare Weight
5	Pieces
	Unit Symbol
	Sell By Date
6	Sell By Time
	Packed On Date
	Packed On Time
7	Produced Date
	Cook By Date
	Bonus Point
8	Origin
	Ingredient
	Sales Message
9	Refer. Net Weight
	Refer. Gross Weight
	Percent Tare
10	Percent Tare Limit
	Saved Price
	Label Serial
11	Store Name
	Clerk Number
	Clerk Name
12	Customer Name
	Customer Number
	Scale Number

13	Day of Week
	Currency Rate
	Second Total Price
14	Second Unit Price
	Traceability
	Nutrition Fact
15	Label Caption
	Total Tax Price
	Second Add Total
16	Barcodes
	Image

2.13.3 Markdown (Menu code 1720)

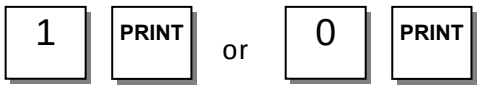
(MENU -> 7. Print -> 2.Markdown)

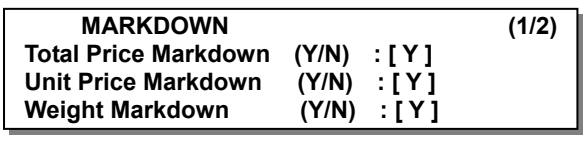
Markdown is to select "Yes" or "No" to print both of original and discount information on the label. There are 4 selectable sub-menus on label.

▶ Markdown Sub-menu

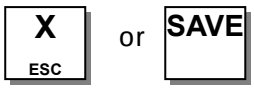
No.	Sub-menu	Description
1	Total Price Markdown	Select "Yes" to display both of original total price and discount total price if any. Otherwise, select "No".
2	Unit Price Markdown	Select "Yes" to display both of original unit price and discount unit price if any. Otherwise, select "No".
3	Weight Markdown	Select "Yes" to display both of original weight and discount weight if any. Otherwise, select "No".
4	Quantity Markdown	Select "Yes" to display both of original quantity and discount quantity if any. Otherwise, select "No".

1. Select Yes or No by using 1 or 0 key and press the PRINT key.





2. After setting all of above MARK DOWN sub-menus use "X/ESC" key or "SAVE" key to go back to PRINT main menu.

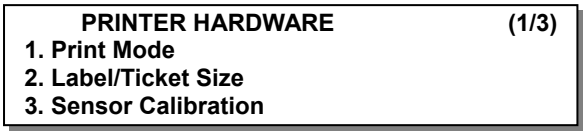


2.13.4 Printer Hardware (Menu code 1730)

(MENU -> 7. Print -> 3.Printer Hardware)

This section is to explain how to set printing H/W environments in the following table.

1.Press “3” to get into H/W setting mode on Print Menu.



▶ Printer Hardware Sub-Menu

No.	Sub-Menu	Description
1	Print Mode	Select label, ticket or continuous label mode.
2	Label / Ticket Size	If it is Label mode, “**Width(60)”, “Height(40)” and “Gap length(2)” size** is set, If it is Ticket mode, “**Width(60)”, “Feed(20)” and “End Margin(5)” size** is set. If you use Continuous Label Paper in Label mode, “Gap length” value is applied to “End Margin”. * The values in ( ) are default.
3	Sensor Calibration	Enter the “**Gap(128)” and “Peel(128)” values** for printing sensor calibration. * The values in ( ) are default. * If you press “TEST” key, Gap and Peel values are adjusted automatically. * In case of Ticket mode, Gap value is not saved.
4	Sensor & Motor	Set Peel-off sensor, Rewind Motor and Label Paper type
5	Print Intensity	Set the extent of intensity of label (ticket) printed.
6	Adjust Feed Length	Set adjusting values of feed length. This value can be from -200 to +200. You can change sign(+,-) by pressing ZERO key. + value will print higher than THP. * Pressing “TEST” key automatically feeds to adjust the feed length.
7	Label Preprint	You can set preprint length.

2.13.5 Print Mode (Menu code 1731)

(MENU -> 7. Print -> 3.Printer Hardware -> 1.Print Mode)

Select “0” for Label Mode, “1” for Ticket Mode or “2” for Continuous Label Mode.
Press “PRINT” to save.

2.13.6 Label Size/Ticket Size (Menu code 1732)

(MENU -> 7. Print -> 3. Printer Hardware -> 2.Label Size)

Enter values for “Width”, “Height”, “Gap Length”.
If you press “TEST” key, height and gap length of current label is measured.

* If it is Ticket Mode, “TICKET SIZE” is displayed, and “TEST” key is not operated.
* If it is Label mode and Continuous Label Paper, “TEST” key is not operated. And "End Margin" instead of "Gap Length" shows up.

```
      LABEL SIZE                (1/1)
Width :[60]mm
Height:[40]mm
Gap Length:[ 2]mm
```

```
      TICKET SIZE               (1/1)
Width :[60]mm
Feed : [20]mm
End Margin :[ 5]mm
```

2.13.7 Sensor Calibration (Menu code 1733)

(MENU -> 7. Print -> 3. Printer Hardware -> 3.Sensor Calibration)

Enter appropriate values for “Gap”, “Peel”, “Out of Paper”.

* If you press “ TEST” key, Gap and Peel values are adjusted automatically.

* If it is Ticket mode, “Gap” value is not saved.

```
      SENSOR CALIBRATION        (1/1)
Gap :[128]
Peel:[128]
[TEST]=Auto Calibration
```

```
      SENSOR CALIBRATION        (1/1)
Gap (Rcpt):[128]
Peel:[128]
[TEST]=Auto Calibration
```

2.13.8 Sensor & Motor (Menu code 1734)

(MENU -> 7. Print -> Printer Hardware -> 4. Sensor & Motor)

Enter appropriate values or “Yes” or “No” for “PRINT METHOD TYPE”, “ACTIVE PEEL-OFF”, “ACTIVE REWIND MOTOR”, and “LABEL PAPER”.

* If there is no gap on a label, set Label Paper to 0, if there a gap, set it to 1.

*When "Ticket Mode" is in "Print Mode", [Rewind Motor] and [Labe Paper] do not work.

```
      SENSOR&MOTOR                    (1/1)
Active Peel-off                : [ Y ]
Active Rewind Motor            : [ Y ]
Label Paper (0=No Gap, 1=Gap) : [ 1 ]
```

2.13.9 Print Intensity (Menu code 1735)

(MENU -> 7. Print -> 3. Printer Hardware -> 5.Print Intensity)

Enter any value from “0” to “20”.
Press “TEST” to test printing a label.
.

```
      PRINT INTENSITY           (1/1)
Printer Intensity (0-20)       : [10]
[TEST] = Test Intensity
```

2.13.10 Adjust Feed Length (Menu code 1736)

(MENU -> 7. Print -> 3. Printer Hardware -> 6.Adjust Feed Length)

Enter any value of the feed alignment from "-200" to "+200".
Press "ZERO" to toggle sign.
Press "TEST" to test feed or "ENTER" to save current "FEED Length value.
* 1pixel = 0.125mm
Ex) "+80" will print 10mm higher.
"-40" will print 5mm lower.

```
ADJUST FEED LENGTH                    (1/1)
Feed Adjustment (-200~+200):[+   0]
[TEST]=Test, [ZERO]=+ or -
```

2.13.11 Label Preprint (Menu code 1737)

(MENU -> 7. Print -> 3. Printer Hardware -> 7.Label Preprint)

Enter "Y(Yes)" or "N(No)" to select Preprint mode and any value of the preprint length from "0"mm to "10"mm.
Press "TEST" to test preprinting.

```
LABEL PREPRINT                        (1/1)
Preprint Mode    (Y/N)      : [ N ]
Preprint Length  (0-10)     : [ 10]
```

After setting all of above H/W setting sub-menus use "X/ESC" key to go back to PRINT main menu

2.13.12 Serial Number Format (Menu code 1740)

(MENU -> 7. Print -> 4.Serial Number Format)

SERIAL NUMBER FORMAT programming is for numbering of label/ticket issued (printed) on label/ticket. User may identify daily total counts of label/ticket used up.

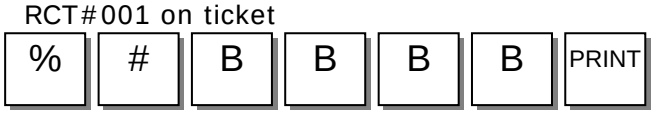
① Press "4" to go to SERIAL NUMBER FORMAT menu in PRINT main menu.

```
SERIAL NUMBER FORMAT                  (1/1)
Label Serial No.    :  [BBBBB          ]
Ticket Serial No.   :  [%N%O%:AAAAA    ]
```

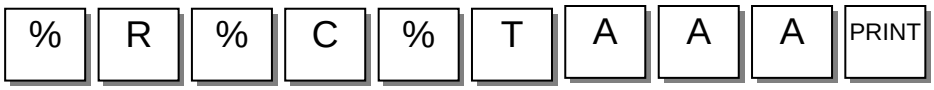
② Enter appropriate data in [ ].

EX) #0001 on label

RCT#001 on ticket

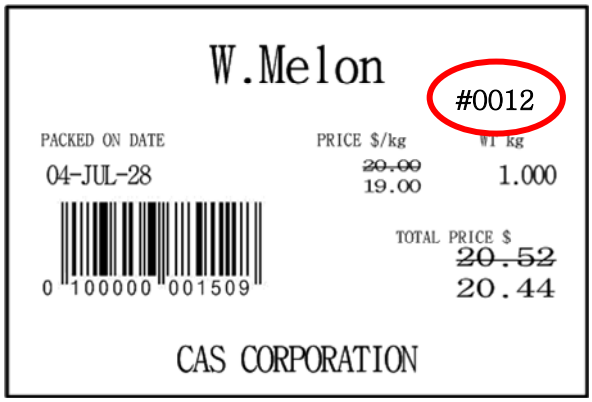



```
SERIAL NUMBER FORMAT                  (1/1)
Label Serial No.    :  [%#BBBB         ]
Ticket Serial No.   :  [%R%C%TAAA      ]
```

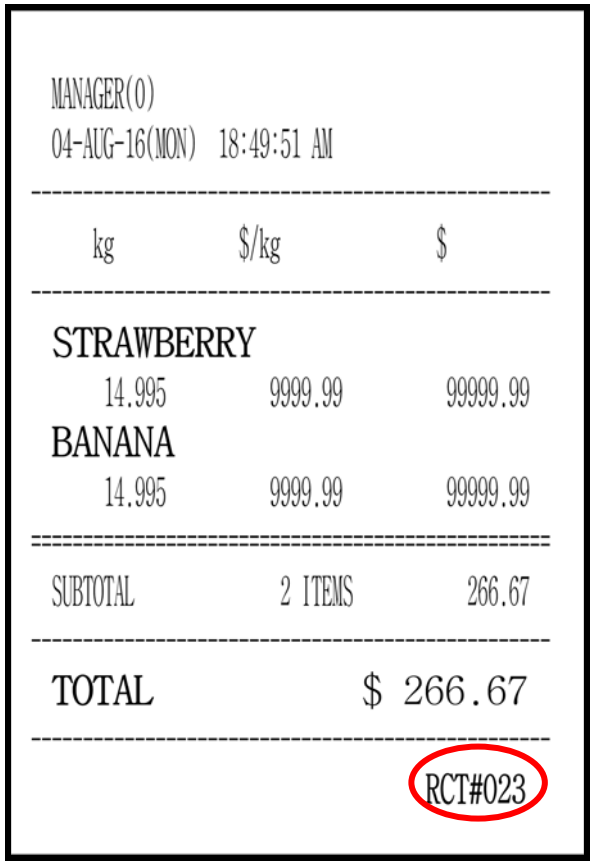


Meaning
● I: Item Code ● N: PLU Number ● P: Price ● U: Unit Price ● W: Weight ● Q: Quantity ● D: Department ● G: group ● A: Ticket Counter (Ticket Mode) ● B: Scale Transaction Counter ● F: PLU Prefix Character ● T: Text Character ● R: Transaction Counter of Each PLU ● L: Clerk Number ● %: Print Fixed Character in the Next Space. ● K: Country Code (For Future)

Sample Label Serial Number



Sample Ticket Serial Number



2.13.13 Add-Up Total (Menu code 1750)

(MENU -> 7. Print -> 5.Add-up Total)

This section shows how to set printing environments of total label and item label when you use ADD-UP sales.

① Press “5” to get into ADD-UP TOTAL menu in PRINT main menu.

5

```
ADD-UP TOTAL                (1/1)
Prt. Total Label: [ Y ]
Prt. Item Label : [ Y ]
```

② Press “0” for “No” or “1” for “Yes” in [ ].

EX) Print Total Label - Yes
Print Item Label - No

1 PRINT 0

```
ADD-UP TOTAL                (1/1)
Prt.  Total Label: [ Y ]
Prt.  Item Label: [ N ]
```

③ Press “PRINT” key to save and go back to PRINT main menu

PRINT

■ ADD-UP Setting

ADD-UP Setting	Description
Print Total Label	Total label is printed when you press the PRINT key during add-up sales.
Print Item Label	Item label is printed whenever you press the ADD key.

* It is applied to Label mode.

2.13.14 Ticket (Menu code 1760)

(MENU -> 7. Print -> 6.Ticket)

This section shows how to select item(s) (Contents) printed on ticket.

① Press “6” to go to TICKET setting.

6

```
TICKET                      (1/1)
1. Select Ticket Item
2. Select List Item
```

2.13.15 Select Ticket Item (Menu code 1761)

(MENU -> 7. Print -> 6.Ticket ->1.Select Ticket Item)

② Press “1” to go to SELECT TICKET ITEM menu.
Select “Yes” or “No” for “Print List”,
“Print Total Barcode”, and “Print Total Label”.

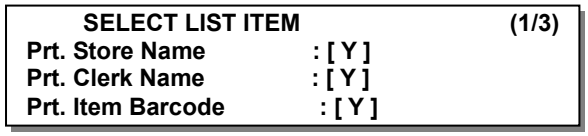
1	1	PRINT	1	PRINT	1	PRINT

2.13.16 Select List Item (Menu code 1762)

(MENU -> 7. Print -> 6.Ticket ->2.Select List Item)

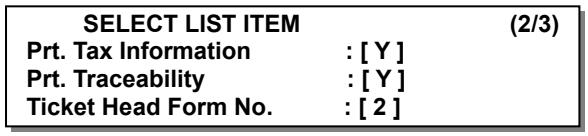
* Before setting list item, you have to set “Print List” to “Y” in menu 1761.

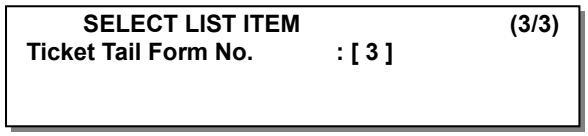
① Press “2” to get into SELECT LIST ITEM menu.
Select “Yes” or “No” for “Print Store Name”,
“Print Clerk Name”, and “Print Item Barcode”.



2 | 1 | PRINT | 1 | PRINT | 1 | PRINT

② Select “Yes” or “No” for “Print Tax Information”, and “Print Traceability”.
And, select appropriate ID # for “Ticket Head Form” and “Ticket Tail Form”.





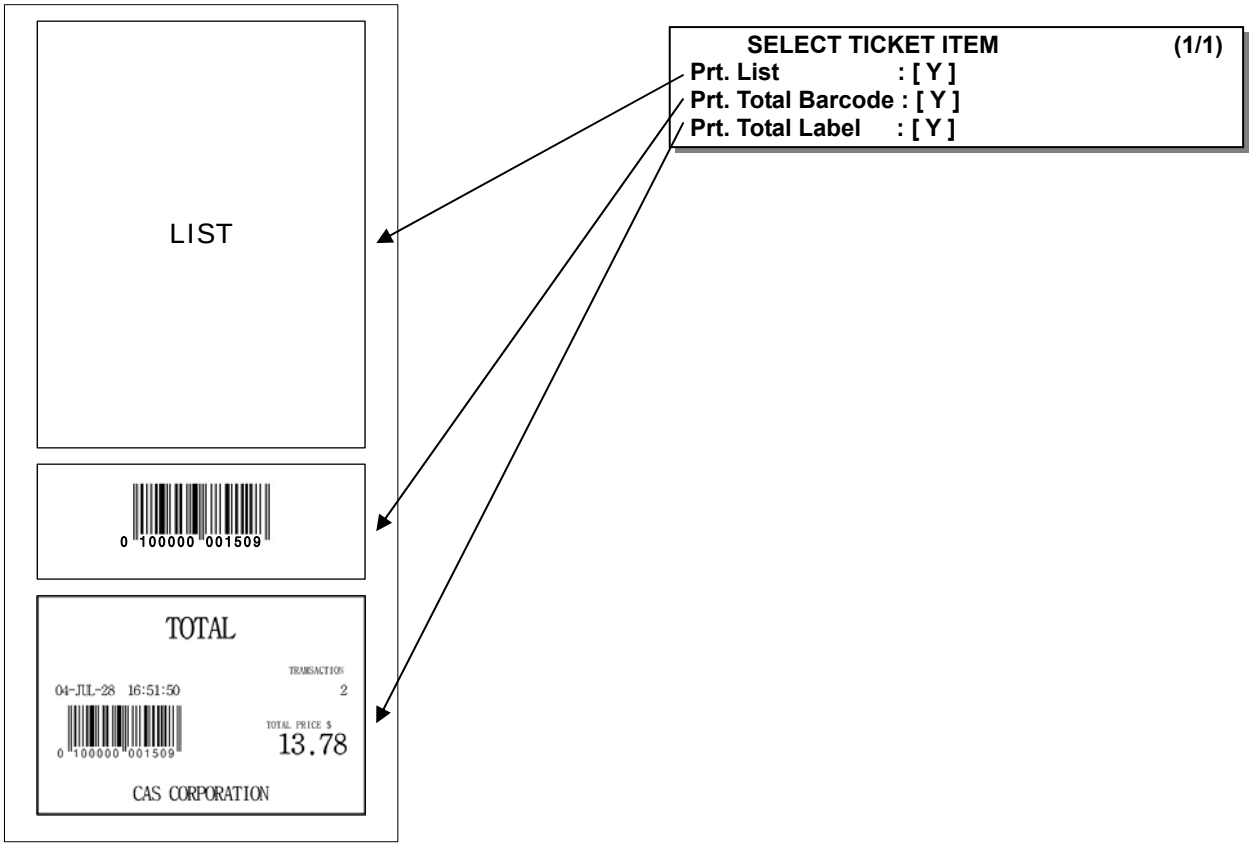
1 | PRINT | 1 | PRINT | 2 | PRINT | 3 | PRINT

■ Ticket Format Setting

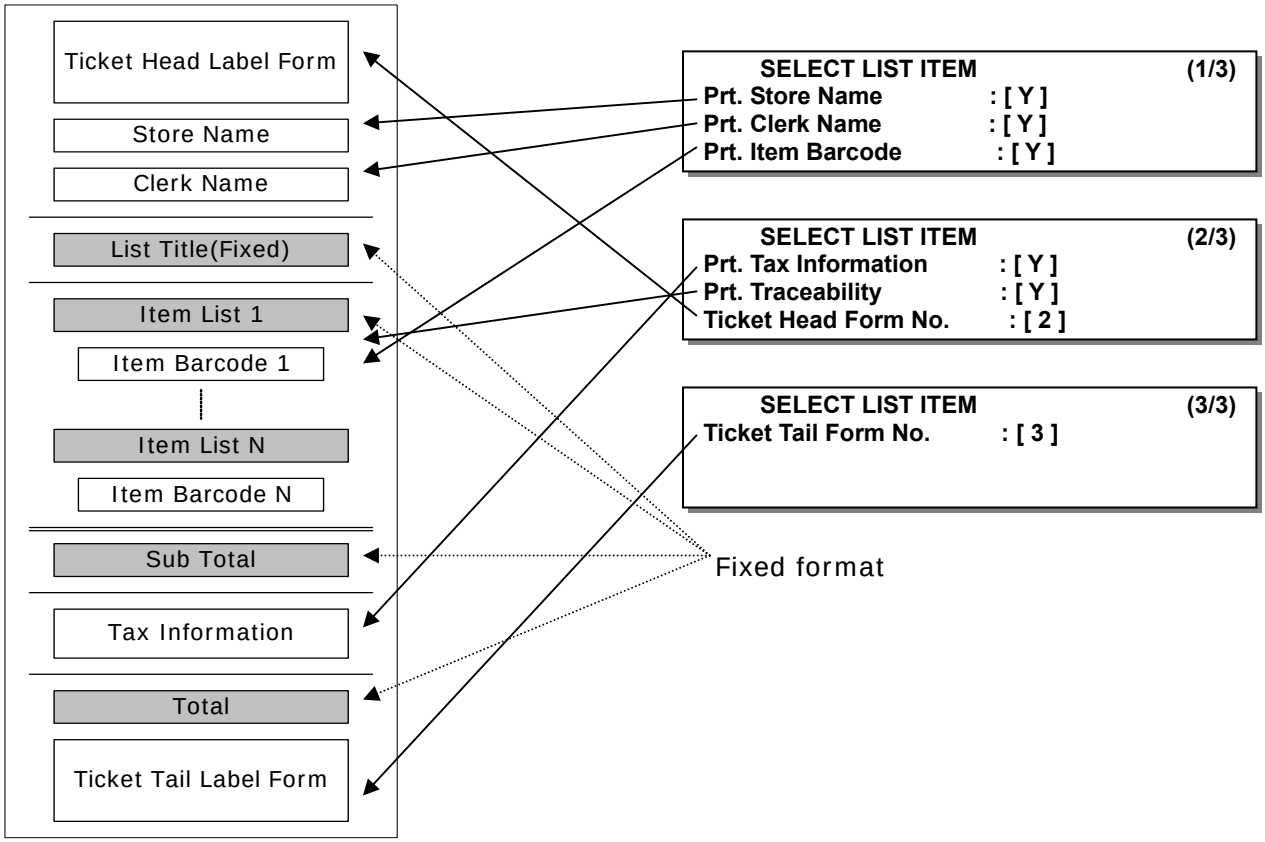
	Ticket Formats Setting	Description
Ticket Item	Print List (Y/N)	■ Printing the list of each sales item(s). * In case of “Yes” selected user can go to “List Item” setting.
	Print Total Barcode	■ Printing total barcode on ticket.
	Print Total Label	■ Printing total amount on ticket.
List Item	Print Store Name	■ Printing store name on ticket.
	Print Clerk Name	■ Printing clerk name on ticket.
	Print Item Barcode	■ Printing every item’s barcode on ticket.
	Print Tax Information	■ Printing tax information on ticket.
	Print Traceability	■ Printing traceability information on ticket
	Ticket Head Form No.	■ Printing label format No. for ticket head.
	Ticket Tail Form No.	■ Printing label format No. for ticket tail.

* You have to download label format for “Ticket Head Form No.” and “Ticket Tail Form No.” from PC.

* Ticket Format



* List Format

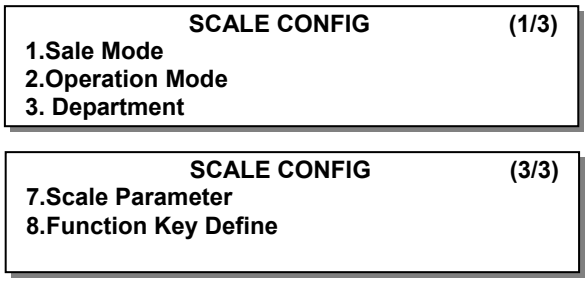


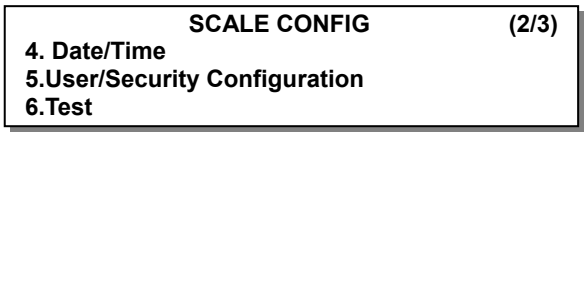
2.14 Programming Scale Configuration

2.14.1 Scale Configuration (Menu code 1800)

(MENU -> 8. Scale Config)

This chapter explains how to configure the scale. The main menu of "Scale Configuration" is shown as below.





2.14.2 Sale Mode (Menu code 1810)

(MENU -> 8. Scale Config -> 1.Sale Mode)

This section is to select sale mode, which have six different modes in the following table.

▶ Sale Modes

No.	Sale Modes	Description
1	**REG: Ticket & Floating**	Selecting Ticket and Floating Clerk Mode.
2	**REG: Label**	Selecting label Mode.
3	**REG: Prepack**	Selecting Prepack Mode.
4	**REG: Label & Floating**	Selecting Label and Floating Clerk Mode.
5	**Manager**	Selecting Manager Mode
6	**Repack**	Selecting Repack Mode (In this mode, report is not updated.)
7	**Self Service & Label**	Selecting Self Service Mode (In this mode, you can use speed key and some keys. If you want to finish this mode, while pressing MENU key, enter system password and PRINT key)

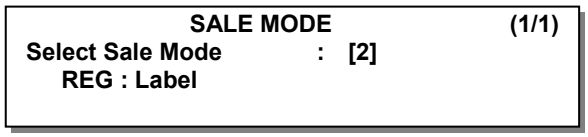
▶ Selecting one of following sale modes, user may select an one-stop setting for Clerk, Operation, Print, and Prepack mode.

MODE	Clerk Mode	Operation Mode	Print Mode	Prepack Mode
1. REG: Ticket & Floating	Floating Clerk	Regist	Ticket	OFF
2. REG: Label	No Clerk	Regist	Label	OFF
3. REG: Prepack	No Clerk	Regist	Label	ON
4. REG: Label & Floating	Floating Clerk	Regist	Label	OFF
5. Manager	–	Manager	–	OFF
6. Repack	–	Repack	–	OFF
7. Self Service & Label	–	–	Label	OFF

Usually user has to set each option you wish to for clerk, operation, print or prepack mode. However, user may select simply one-stop sales mode for 7 different modes-Clerk, Operation, Print, and Prepack mode. User may also set options for Clerk/Operation mode in MENU 1820 and Print/Prepack mode in MENU 1731.

1. Select a sale mode

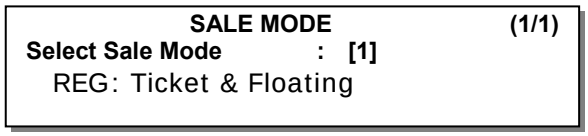
EX) Sale mode = 2.REG: Label



2 PRINT

2. Select “Floating & Ticket” mode

EX) Sale mode = 1.REG: Ticket & Floating



1 PRINT

2.14.3 Operation Mode (Menu code 1820)

(MENU -> 8. Scale Config -> 2.Operation Mode)

This section is to select a clerk and operation mode. There are three different operation modes, *REGISTRATION, RE-PACK, MANAGER* and three different clerk modes, *NO CLERK, STANDARD CLERK*, and *FLOATING CLERK*.

▶ Clerk Modes

No.	Clerk Modes	Description
1	**No Clerk**	Sales clerk do not log in and makes sales using “PRINT” key.
2	**Standard Clerk**	Sales clerk can make sales when he/she logs in.
3	**Floating Clerk**	Plural sales clerks can make sales using own clerk ID.

▶ Operation Modes

No.	Operation Modes	Description
1	**Registration**	Normal sales mode.
2	**Repack**	Normal sales mode but not included in total sales data(report). Good for clerk training.
3	**Manager**	In this mode user can access all of functions without any permission.

1. Select appropriate “CLERK MODE” and “OPERATION MODE”.

EX) Clerk Mode=Standard Clerk

2 PRINT

Operation Mode=Registration

1 PRINT

```
OPERATION MODE                    (1/1)
Select Clerk Sale Mode      :  [2]
Select Oper Mode            :  [1]
   Registration
```

2.14.4 Department (Menu code 1830)

(MENU -> 8. Scale Config -> 3.Department)

This section shows how to select current department where scale is being used. User can use (call up) PLUs only for current department selected in sales mode.

For example, if current department selected is GROCERY user can call up items registered only in GROCERY department. If user would like to use PLUs registered in other department than current department he/she should change scale’s department setting.

Store No. represents Store Name (or branch number) on label/ticket printed.

1. Select “DEPARTMENT No.” and “STORE ID”.
EX) DEPARTMENT No.= 2 (Grocery)

2 PRINT

```
DEPARTMENT                    (1/1)
Dept No.          :  [2] Grocery
Store No.         :  [1] Branch #1
```

STORE No.= 1 (Branch #1)

1 PRINT

2.14.5 Date & Time (Menu code 1840)

(MENU -> 8. Scale Config -> 4.Date/Time)

This section is to set scale’s DATE & TIME appropriately.

1. Set appropriate “DATE”, “TIME”, and “MONTH FORMAT”.
EX) DATE= [07.02.04]
TIME= [10:30:00]
Month Format= [1]

```
DATE / TIME                   (1/3)
Date              :  [07.02.04] DD-MM-YY
Time              :  [10:30:00]
Month Format (0=DEC, 1=12) : [ 1 ]
```

2. Set “YEAR FORMAT”,“TIME FORMAT” and separator for “DATE”.
EX) Year Format (0=2001, 1=01) = [1]
Time Format(0~3) = [1]
Date Separator= [-]

```
DATE / TIME                   (2/3)
Year Format   (0=2001, 1=01) : [ 1 ]
Time Format   (0~3) : [ 1 ]
Date Separator : [ - ]
```

3. Set separators for “DATE”, using ASCII code table on page
EX) Time Separator= [:]

```
DATE / TIME                   (3/3)
Time Separator : [ : ]
```

☞ Please refer to “*ASCII Code Table*” (chapter 4.4) to input special characters in Date or Time separator.

4. Press “PRINT” key to save it and go out to SCALE CONFIGURATION main menu.

PRINT

```
SCALE CONFIGURATION           (1/2)
1. Sale Mode
2. Operation Mode
3. Department
```

2.14.6 User/ Security Configuration (Menu code 1850)

(MENU -> 8. Scale Config -> 5.User/Security Configuration)

This section is to create, edit, change, list, delete clerk's security information and configure security level.

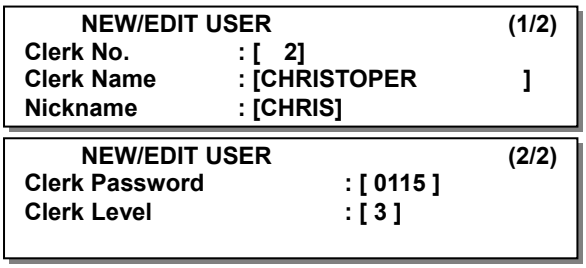
2.14.7 New/Edit User(Menu code 1851)

(MENU -> 8. Scale Config -> 5.User/Security Con-> 1. New/Edit)

Enter appropriate USER data for CLERK number, CLERK NAME, NICKNAME, CLERK PASSWORD, CLERK LEVEL, and LABEL MESSAGE NO.

EX) CLERK No.=[2],
CLERK NAME=[CHRISTOPER],
NICKNAME=[CHRIS],
CLERK PASSWORD=[0115],
CLERK LEVEL=[3],

Note : If you use floating mode, you have to register all clerks.



▶ NEW/EDIT USER in USER'S Security Condition

No.	Operation Mode	Description
1	Clerk No.	This value can be from 1 to 95.
2	Clerk Name	This value is available up to 22 characters.
3	Nickname	This value is available up to 7 characters. It can be printed on a label and displayed on the scale.
4	Clerk Password	4 digit (alphanumeric)
5	Clerk Level	0~3 level

Password : When you enter the password, you have to type clerk number(2 digit) and password(4 digit). For example, if your clerk number is 20 and password is 1234, you have to type 201234. Minimum password is 3 digit and maximum password is 6 digit.
If there is no level 3 clerk, you can use default value. (Clerk No:1, password:1, Level:3)
Therefore default password is **011**.
※ You have to set a level 3 clerk. If there is no level 3 clerk, you can use default password(011) and if any, you cannot use it.

Clerk level : This value can be from 0 to 3. This level is related to menu 1855(Config permission). If clerk 2 is set to level 2, this clerk can use the function which is set to level 1, 2 in menu 1855 and cannot use the function which is set to level 3.

No.	Level	Description
1	0	It is assigned to employees who is registerd but do not use scale.
2	1	Lowest level. Normal employees are assigned to level 1.
3	2	It is proper for chief clerk.
4	3	Highest level. It is proper for store manager.

2.14.8 Change Password (Menu code 1852)

(MENU->8.Scale Config->5.User/Security Con->2.Change Password)

1. Enter password.
   * Clerk No. (2 digit)+ password (4 digit)

EX) CLERK No.=1 , PASSWORD=2 -> **012**
CLERK No.=11 , PASSWORD=22 -> **1122**
CLERK No.=36, PASSWORD=1234 -> **361234**

```
Input Password : [     ]
```

2. New Password
   * Enter new password

EX) CLERK ID=11, PASSWORD = 22

```
      CHANGE PASSWORD                (1/1)
Clerk No.          : [   11] Clerk
New Password : [   22]
```

2.14.9 List User (Menu code 1853)

(MENU -> 8. SCALE CONFIG ->5.User/Security Con. -> 3. List)

1. Enter start number and end number to check

* To list all, press the SAVE key

EX) 1~10

[1] [PRINT] [1] [0] [PRINT]

```
          LIST USER                    (1/1)
- Start Number     : [        1]
- End Number       : [       10]
List All -  Press  [SAVE] Key
```

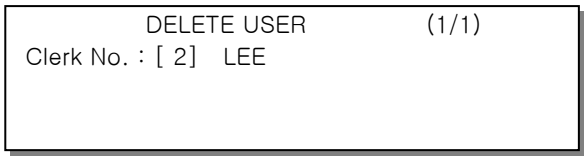
```
No      Level      Name
1         3        JOHNATHAN
2         3        CHRISTOPER
3         2        PHILIP
```

2.14.10 Delete User (Menu code 1854)

(MENU -> 8. SCALE CONFIG -> 5.User/Security Con. -> 4. Delete)

1. Enter clerk number to delete

EX) Delete clerk no. 2



2.14.11 Config Permission (Menu code 1855)

(MENU -> 8. SCALE CONFIG -> 5. User / Security Con. -> 5 .Config Permission)

Permission level is related to clerk level and if the clerk level is lower than permission level, this clerk cannot access that function. Refer to clerk level on chapter 2.14.21

※ If permission level is "0", all clerks can access this function.

EX) If you set permission level to 2 for price change key and clerk 1 is set to level 1 and clerk 2 is set to level 2, clerk 1 can not use this key but clerk 2 can use this key.

▶ Setting Configuration Permission

No	Operating	Description
1	**Use Item Change Key**	Set a permission level for PLU Change Key. (You can define this function key in menu 1880 on chapter 2.14.22)
2	**Use Price Change Key**	Set a permission level for price change key. (You can define this function key in menu 1880 on chapter 2.14.22)
3	**Use Dept. Change Key**	Set a permission level for department change key. (You can define this function key in menu 1880 on chapter 2.14.22)
4	**Use Pay Key**	Set a permission level for Pay key (You can define this function key in menu 1880 on chapter 2.14.22)
5	**Use Date Change Key**	Set permission level for data change key. (You can define this function key in menu 1880 on chapter 2.14.22)
6	**Use Type Change Key**	Set a permission level for PLU type change key.(You can define this function key in menu 1880 on chapter 2.14.22)
7	**Use selection PLU Item**	Set a permission level for Selecting PLU item

8	**Use Input Weight Key**	Set a permission level for Input weight key(You can define this function key in menu 1880 on chapter 2.14.22)
9	**Use Discount Key**	Set a permission level for discount (You can define this function key in menu 1880 on chapter 2.14.22)
10	**Allow Clerk Sale**	Set a permission level for password in floating mode
11	**Allow Void**	Set a permission level to void item
12	**Allow Add Up**	Set a permission level for add-up sales
13	**Allow Return**	Set a permission level to return item
14	**Allow Override**	Set a permission level to override price
15	**Allow CashDraw Open**	Set a permission level to open cash drawer
16	**Allow Menu**	Set a permission level to go to program menu
17	**Allow Menu for edit PLU**	Set a permission level to edit PLU
18	**Allow Price Change**	Set a permission level to change price
19	**Allow Global Set**	Set a permission level for global setting
20	**Allow X Report**	Set a permission level for X report
21	**Allow Z Report**	Set a permission level for Zreport
22	**Allow Store Data Edit**	Set a permission level to edit store data
23	**Allow Discount Edit**	Set a permission level to edit discount
24	**Allow Tax Edit**	Set a permission level to edit tax
25	**Allow Tare Edit**	Set a permission level to edit tare
26	**Allow Traceability Edit**	Set a permission level to edit traceability
27	**Allow Customer Edit**	Set a permission level to edit customer
28	**Allow Scale Config**	Set a permission level for scale configuration
29	**Allow Edit Data Table 1**	Set a permission level to edit data table I.
30	**Allow Edit Data Table 2**	Set a permission level to edit data table II.
31	**Allow Printer Setting**	Set a permission level for printer setting
32	**Allow Change Oper Mode**	Set a permission level to change operation mode
33	**Allow Change User Param**	Set a permission level to change user param.
34	**Allow Set Communication**	Set a permission level for communication setting.

You can use the **PG UP** and **PG DOWN** keys to navigate from page to page, or you can use the Arrow keys to go through each page 1 line at a time.

2.14.12 Clerk Key (Menu code 1856)

(MENU -> 8. SCALE CONFIG -> 5.User/Security Con. -> 6. Clerk Key)

You can assign Clerk key to clerk. There are 31 Clerk keys and you have to set these keys in menu 1880 (Key define). See chapter 2.14.22.

1. Enter Clerk Key
This value can be from 1 to 31.

EX) Clerk Key No. = 2

```
        CLERK KEY                (1/1)
Clerk Key : [ 2]
Clerk No. : [   ]
```

2. Enter Clerk No.

EX) Clerk = 2. LEE

```
        CLERK KEY                (1/1)
Clerk Key : [ 2]
Clerk No. : [  2]  LEE
```

For example if you set “A” key to clerk 2 in menu 1880 (Key define), and call up a PLU and press “A” key in floating sale mode, it is recognized that clerk no. 2 (LEE) sold this item.

2.14.13 Test (Menu code 1860)

(MENU -> 8. SCALE CONFIG -> 6.Test)

This programming is to test the scale by itself in the 7 fields , such as DISPLAY, A/D, KEYBOARD, PRINTER, RINTER SENSOR, MEMORY INFORMATION AND FIRMWARE VERSION.

① Press “6” to get into TEST menu.

6

```
        TEST                     (1/3)
1.Display
2.A/D
3.Keyboard
```

```
        TEST                     (2/3)
4.Chess Print
5.Printer Sensor
6.Memory Information
```

```
        TEST                     (3/3)
7.Firmware Version
```

2.14.14 Display Test (Menu code 1861)

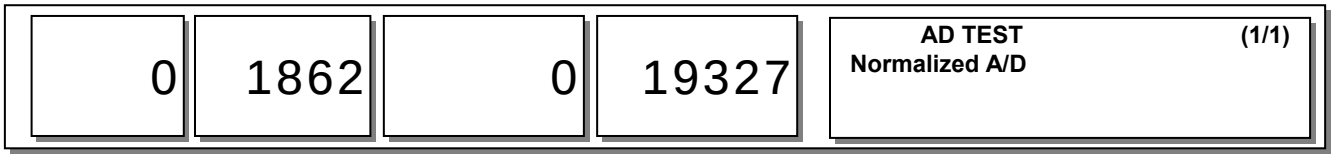
(MENU -> 8. SCALE CONFIG -> 6.Test -> 1. Display)

To test the display, press “1” on Test menu screen. It automatically tests it. User may exit from testing, using “X/ESC” key.

2.14.15 A/D Test (Menu code 1862)

(MENU -> 8. SCALE CONFIG -> 6.Test -> 2. A/D)

To test the A/D, press “2” on Test menu screen.



To set zero press “ZERO”

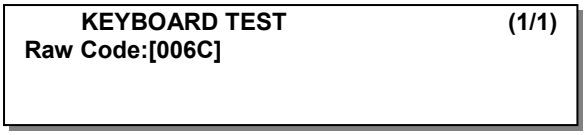
User may exit from this menu, using “X/ESC” key

2.14.16 Keyboard Test (Menu code 1863)

(MENU -> 8. SCALE CONFIG -> 6.Test -> 3. Keybord)

To test keyboard, press “3” on Test menu screen.

To exit keyboard test, press “ESC” two times.



2.14.17 Chess Printer Test (Menu code 1864)

(MENU -> 8. SCALE CONFIG -> 6.Test -> 4. Chess Print)

Press “TEST” key to test printing a label.
User may exit from this menu, using “X/ESC” key.

2.14.18 Printer Sensor Test (Menu code 1865)

(MENU -> 8. SCALE CONFIG -> 6.Test -> 5. Printer Sensor)

To test printer sensor, press “5” on Test menu screen. The scale shows the condition of current printer sensor.

```
PRINTER SENSOR TEST                (1/2)
Peel-off    : [UNLOCKED]
Head-up     : [CLOSED    ]
```

```
PRINTER SENSOR TEST                (2/2)
Gap         : [ 68]
Peel        : [ 66]
```

▶ Printer Sensor Test Items

	Test Items	Description
1	Peel-off	To test that peel-off sensor is properly work.
2	Head-up	To test that TPH is opened or not
3	Gap	To show real time-sensoring Gap value.
4	Peel	To show real time-sensoring peel value.

2.14.19 Memory Information (Menu code 1866)

(MENU -> 8. SCALE CONFIG -> 6.Test -> 6. Memory Information)

To see memory information, press “6” on Test menu screen. The display shows current memory size. 0 indicates 1MB.

User may exit from this menu, using “X/ESC” key.

```
MEMORY INFORMATION                 (1/1)
012345
Chip Status     : [00XXX]
Total Flash Size (MB) : 6
```

2.14.20 Firmware Version (Menu code 1867)

(MENU -> 8. SCALE CONFIG -> 6.Test -> 7. Firmware Version)

You can check firmware version of the scale.

```
DEV DESCRIPTION          VERSION
#1 Scale Main F/W        V1.03
#2 AD Module F/W         V0.97
#3 Ethernet              N/A
```

User may exit from this menu, using “X/ESC” key.

2.14.21 Scale Parameter (Menu code 1870)

(MENU -> 8. Scale Config -> 7.Scale Parameter)

You can set scale's environment as below.

▶ Scale Parameter

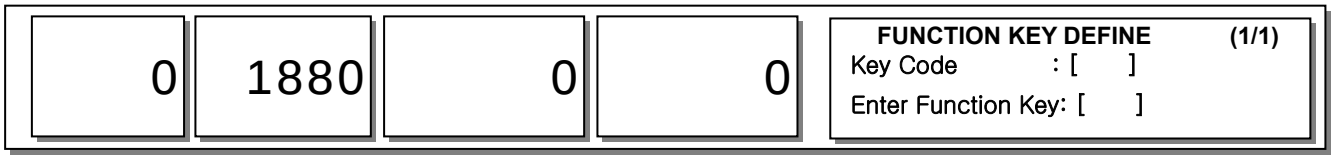
Menu	Sub-menu	Setting Value	Description
1. Display (Menu code:1871)	Display Discount Info	Y/N	The scale shows discount information.
	Show Clerk Nickname	Y/N	The scale shows clerk's nickname
	PLU Name Align	0: Left alignment 1: Center alignment 2: Right alignment	Set the alignment position of PLU
2. Printing (Menu code:1872)	Label prt w.o rewind(x Key)	Y/N	Do not use rewind function when you use "X"key.
	Confirm prt report on label	0:Print automatically 1:Need to confirm to print report and do not confirm any more until power off 2:Need to confirm to print report and do not confirm any more until you exit program mode	Set confrim method when you print report in label mode
	Print origin for comm..line	0: Do not print 1: Print in Name 1. 2: Print in Name 2 3: Print in Name 3	Print origin in commodity line.
	Print unit symbol in qty area	Y/N	Print Qty Symbol in qty area.
	Print pieces in unit price area	Y/N	Print Pieces in unit price area.
	Print All report within range	Y/N	Print all report
3. Sale Setup (Menu code:1873)	Save unit price change	Y/N	Save unit price change.
	Save Type change	Y/N	Save type Change in PLU
	Start save mode(start up)	Y/N	Save mode is active when you turn on the scale.
	PLU clr Aft sale(WT. On Tray)	Y/N	Plu is cleared after printing even though there is an item on the platter.
	Print count w.o misc. key	Y/N	If you enter count, it is considered that misc. count condition when there is no Misc. Key
	Print weight w.o misc. key	Y/N	If there is an item on the platter, it is considered that misc. weight condition when there is no Misc. Key
	T.price = price + Tax	Y/N	Tax is included in total price
	Shift key instead return Key	Y/N	Use shift key instead of return key.
	Use double speed key	Y/N	Use double speed key
4. Clerk Logout (Menu code:1874)	Log off after transaction	Y/N	After printing label, automatically Clerk Log off
	Clerk log out Time(0.1s)	1~99	Set clerk log out time.

You can use the **PG UP** and **PG DOWN** keys to navigate from page to page, or you can use the Arrow keys to go through each page 1 line at a time.

2.14.22 Function Key Define (Menu code 1880)

(MENU -> 8. Scale Config -> 8.Function Key Define)

You can define function keys to Speed keys. It is recommended that you define function key to higher number Speed key because you can not use that PLU key.



1. Enter key code

Pole type : 72 Speed Keys
Standard type : 48 Speed Keys.
If you press Speed key, the displays shows the key code of that speed key.

R_B PRINT

```
FUNCTION KEY DEFINE (1/1)
Key Code :[ 48]
Enter Function Key:[ 0]
```

EX1) Standard Type :
Press last speed key.

EX2) Pole Type:
Press last speed key

R_B PRINT

```
FUNCTION KEY DEFINE (1/1)
Key Code :[ 72]
Enter Function Key:[ 0]
```

2. Enter function key

```
FUNCTION KEY DEFINE (1/1)
Key Code :[ 48]
Enter Function Key:[ 12]
```

EX1) Use 12 Function key (LCD Back_light ON/OFF) Refer to below table.

1 2 PRINT

▶ Function Key.

Function Key	Define	Description
1	[DISC -]	- SALE Key
2	[DISC%]	% SALE Key
3	[SPECIAL SALE]	Special sales unit price
4	[NEGATIVE]	Negative sale
5	[FIXED PRICE]	Fixed Price Key
6	[TYPE CHANGE]	WT/CT Key
7	[CASHOPEN]	Cash Drawer Open Key
8	[GRAND TOTAL]	Grand Total Key

9	[PLU REFERENCE]	Reference PLU Key
10	[IN WEIGHT]	In-Weight Key
11	[LABEL/TICKET]	Toggle between the Label and Ticket
12	[LEDON]	LCD Backlight On/Off Key
13	[MISC WEIGHT]	Misc. Weight Key
14	[MISC COUNT]	Misc. Count Key
15	[MISC PCS]	Misc. PCS Key
16	[EDIT SELL]	Sell By Date Change Key
17	[EDIT ORIGIN]	Origin Change Key.
18	[EDIT ITEM]	PLU Change Key
19	[EDIT DATETIME]	Change Date/Time
20	[EDIT D/C]	Set discount for current PLU
21	[EDIT SPEEDKEY]	Change PLU Speed key
22	[EDIT PRICE]	PLU Price Change Key
23	[CLERK CALL]	Clerk key to call indirectly
24	[LAST VOID]	Void Last Sale
25~28	[CURRENCY1~4]	Call Currency Table
31~39	[TARE KEY1~9]	Call Tare Table
40~42	[UNIT1~3]	kg : UNIT1=1kg, UNIT2=100g, UNIT3=N/A lb : UNIT1=1lb, UNIT2=1/2lb, UNIT3=1/4lb
43	[kg/lb]	Toggle between the kg and lb
51~83	[V1~32]	Clerk key
0 or 9999		PLU Key

3. To cancel function key.

Enter key code to cancel and set Function Key No. to 0

EX) Key Code = 42
Function Key id = 0

If you cancel function key, you can use it as Speed key.

```
FUNCTION KEY
KEY Code        : [  42]
FUNCTION KEY ID: [   0]
```

2.15 Report

2.15.1 Introduction

X mode is used to read (i.e. print and display) sales data. There are variety of reports that you can generate from X mode. Each of these reports is kept in two separate counters or "books" called X1 and X2. The X1 and X2 reports allow you to print reports at any time for either of the reporting periods. You can use X1 reports to see current daily totals and X2 reports to see current weekly totals. The time period combination you chose is completely dependent upon how you use Z1 and Z2.

Remember that you can generate as many X reports as you would like because X mode does **NOT** clear any sales data.

2.15.2 Report Menu (Menu code 1600)

(MENU -> 6. Report)

```
      REPORT                (1/2)
1. X1 Report
2. Z1 Report
3. X2 Report
```

```
      REPORT                (2/2)
4. Z2 Report
5. Clear All
```

No.	Submenus	Description
1	X1 Report	Print and display sales data of period 1
2	Z1 Report	Print, display and clear sales data of period
3	X2 Report	Print and display sales data of period 2
4	Z2 Report	Print, display and clear sales data of period 2
5	Clear All	Clear all reports of period 1 and 2

2.15.3 X1/X2 Report (Menu code 1610/1630)

(MENU -> 6. Report -> 1.X1 Report / 3. X2 Report)

There are 7 detailed reports.

```
      X1 REPORT             (1/3)
1. Scale
2. PLU
3. Misc. PLU
```

No.	Submenu	Description
1	Scale	Print and display scale sales report
2	PLU	Print and display PLU sales report
3	Misc. PLU	Print and display Misc. PLU sales report
4	Group	Print and display group sales report
5	Department	Print and display department sales report
6	Hourly	Print and display hourly sales report
7	Clerk	Print and display clerk sales report

2.15.4 X1/X2 Scale Sales Report (Menu code 1611/1613)

(MENU -> 6. Report -> 1.X1 Report / 3.X2.Report -> 1. Scale)

If you press “1” key on X1/X2 Report menu screen, scale sales report is shown on the display.

1

```
X1 SCALE SALES REPORT          (1/1)
No. from [ 1 ] ..to [ 1 ]
Total:$202.28
 [TEST]=print
```

To print this report, press “TEST” key.

TEST

```
X1 SCALE SALES REPORT          (1/1)
Count:11
Total:$202.28
 Waiting..
```

* If your scale is in label mode, the scale shows “Do you want to print on label?”.

If your label has gap, press 1. if you want to print report on ticket, press 0 and change the setting to Ticket in menu 1731 then change your label to ticket.

“Do you want to print on label?” message is displayed depending on the setting of menu 1862 “Confirm Prt Report on Label”

```
Do you want to print on label?
1=Yes, 0=No
```

If you print report in label mode, rewind motor does not operated so you remove label and then press the PEED key.

To exit this menu, press the “ESC” key.

ESC

```
X1 REPORT                      (1/3)
1. Scale
2. PLU
3. Misc. PLU
```

*Sample – Scale Report

```
X 1   S C A L E   R E P O R T
  AUG-23-04(MON)  09:46:36 AM
  Last Reset
  AUG-16-04(MON)  03:33:14 PM
=====================================================
  SCALE #01
-----------------------------------------------------
  TOTAL COUNT                 267
  TOTAL PRICE           $ 5693.70

  VOID COUNT                    3
  VOID PRICE              $ 27.30
  REPACK COUNT                  0
  REPACK PRICE             $ 0.00
  OVERRIDE COUNT                0
  OVERRIDE PRICE           $ 0.00
  DISCOUNT COUNT                0
  DISCOUNT PRICE           $ 0.00
  PREPACK COUNT                 1
  PREPACK PRICE            $ 3.05
  RETURN COUNT                  0
  RETURN PRICE             $ 0.00
  NO SALE OPEN COUNT            0

  PAY SUMMARY
    CASH          26    $ 1242.70
    PIN/CHIP       2      $ 12.50
    CHECK          2      $ 82.00
    CREDIT CARD    5      $ 84.40
    CREDIT NOTE    2      $ 61.00
    COUPON         3      $ 17.00
    BONUS POINT    0       $ 0.00
    CREDIT SALES   3      $ 60.00
    CHANGE        17     $ 287.46

  TAX SUMMARY
    1:10.00%,Internal     $ 67.39
    2:10.00%,External    $ 242.00
    3: 8.00%,Internal    $ 190.95
    4: 0.00%               $ 0.00
    5: 0.00%               $ 0.00
    6: 0.00%               $ 0.00
    7: 0.00%               $ 0.00
    8: 0.00%               $ 0.00
    9: 0.00%               $ 0.00
-----------------------------------------------------

=====================================================
```

2.15.5 X1/X2 PLU Report (Menu code 1612/1632)

(MENU -> 6. Report -> 1.X1 Report/3.X2 Report -> 2. PLU Report)

Press “2” key on X1/X2 Report menu screen.

2

```
      X1 PLU SALES REPORT                (1/1)
Dept[ 1]
PLU[      1]..to[99999]
```

Enter PLU range to check.
EX) dept 1, plu 1 ~10

1 PRINT 1 PRINT 1 0

```
      X1 PLU SALES REPORT                (1/1)
Dept[ 1]
PLU[      1]..to[     10]
```

PLU sales report is shown on the display by pressing “PRINT” key.

PRINT

```
      X1 PLU SALES REPORT                (1/1)
Count:261
Total:$4867.23
 [TEST]=print
```

To print report, press “TEST” key.

TEST

```
      X1 PLU SALES REPORT                (1/1)
Count:261
Total:$4867.23
 Waiting..
```

* If your scale is in label mode, the scale shows “Do you want to print on label?”.
If your label has gap, press 1. if you want to print report on ticket, press 0 and change the setting to Ticket in menu 1731 then change your label to ticket.
“Do you want to print on label?” message is displayed depending on the setting of menu 1862 “Confirm Prt Report on Label”

```
Do you want to print on label?
1=Yes, 0=No
```

If you print report in label mode, rewind motor does not operated so you remove label and then press the PEED key.

To exit this menu, press “ ESC” key.

ESC

```
      X1 REPORT                          (1/3)
1. Scale
2. PLU
3. Misc. PLU
```

Note: PLU with no sales is not printed.

*Sample – PLU Report

```
X 1   P L U   R E P O R T
  AUG-23-04(MON)  09:46:36 AM
  Last Reset
  AUG-16-04(MON)  03:33:14 PM
  Start No:00000, End No:99999
==========================================================
  DEPT #01 Default
----------------------------------------------------------
  PLU #00001 APPLE
  TRANSACTION COUNT            84
  WEIGHT                74.828 lb
  QUANTITY                     0
  PRICE                 $ 681.79
  TAX PRICE              $ 67.39

  PLU #00002 BANANA
  TRANSACTION COUNT            96
  WEIGHT                 0.000 lb
  QUANTITY                    98
  PRICE                $ 1994.00
  TAX PRICE             $ 196.00

  PLU #00003 ORANGE
  TRANSACTION COUNT            61
  WEIGHT                 0.000 lb
  QUANTITY                    62
  PRICE                $ 1994.00
  TAX PRICE             $ 196.00

                          . . .

----------------------------------------------------------

==========================================================
```

2.15.6 X1/X2 Miscellaneous PLU Report (Menu code 1613/1633)

(MENU -> 6. Report -> 1.X1 Report/3.X2 Report -> 3. MISC. PLU)

Press “3” key on X1/X2 Report menu screen.

3

```
X1 MISC. SALES REPORT          (1/1)
Misc(0-2)[0]..to[2]
```

Enter the number to check.
0 : Miscellaneous by-Weight
1 : Miscellaneous by-count
2 : Miscellaneous by-pcs
Ex) Misc. by-weight, Misc. by-count, Misc. by-pcs

0 PRINT 2

```
X1 MISC. SALES REPORT          (1/1)
Misc(0-2)[0]..to[2]
```

Sales report is shown on the display by pressing “PRINT” key.

PRINT

```
X1 MISC. SALES REPORT          (1/1)
Count:41
Total:$4867.23
 [TEST]=print
```

To print report, press “TEST” key.

TEST

```
X1 MISC. SALES REPORT          (1/1)
Count:41
Total:$4867.23
 Waiting..
```

* If your scale is in label mode, the scale shows “Do you want to print on label?”.

If your label has gap, press 1. if you want to print report on ticket, press 0 and change the setting to Ticket in menu 1731 then change your label to ticket.

“Do you want to print on label?” message is displayed depending on the setting of menu 1862 “Confirm Prt Report on Label”

```
Do you want to print on label?
1=Yes, 0=No
```

If you print report in label mode, rewind motor does not operated so you remove label and then press the PEED key.

To exit this menu, press “ESC” key.

ESC

```
X1 REPORT                      (1/3)
1. Scale
2. PLU
3. Misc. PLU
```

Note: Misc. PLU with no sales is not printed.

*Sample – Miscellaneous Report

```
X 1   M I S C .   R E P O R T
  AUG-23-04(MON)  09:46:36 AM
  Last Reset
  AUG-16-04(MON)  03:33:14 PM
  Start No:0, End No:2
==========================================================
----------------------------------------------------------
  PLU #      Misc By Weight
  TRANSACTION COUNT             84
  WEIGHT                74.828 lb
  QUANTITY                       0
  PRICE                  $ 681.79
  TAX PRICE               $ 67.39

  PLU #      Misc by Count
  TRANSACTION COUNT             96
  WEIGHT                 0.000 lb
  QUANTITY                      98
  PRICE                 $ 1994.00
  TAX PRICE              $ 196.00

  PLU #      Misc By PCS
  TRANSACTION COUNT             61
  WEIGHT                 0.000 lb
  QUANTITY                      98
  PRICE                 $ 1994.00
  TAX PRICE              $ 196.00
----------------------------------------------------------

==========================================================
```

2.15.7 X1/X2 Group Report (Menu code 1614/1644)

(MENU -> 6. Report -> 1.X1 Report/X2 Report -> 4. Group)

Press “4” key on X1/X2 Report menu screen.

4

```
X1 GROUP SALES REPORT          (1/1)
No. from[ 0]..to[99]
```

Enter group range to check
If you do not set group in PLU creating, it is included group 0.
예) Group 0 ~ Group 23

```
X1 GROUP SALES REPORT          (1/1)
No. from[ 0]..to[99]
```

1 PRINT 2 3

You can see group sales data by pressing “PRINT” key.

PRINT

```
X1 GROUP SALES REPORT          (1/1)
Count:261
Total:$4867.23
 [TEST]=print
```

To print report, press the “TEST” key.

TEST

```
X1 GROUP SALES REPORT          (1/1)
Count:261
Total:$4867.23
 Waiting..
```

* If your scale is in label mode, the scale shows “Do you want to print on label?”.
If your label has gap, press 1. if you want to print report on ticket, press 0 and change the setting to Ticket in menu 1731 then change your label to ticket.

```
Do you want to print on label?
1=Yes, 0=No
```

To exit this menu, press “ESC” key.

ESC

```
X1 REPORT                      (1/3)
1. Scale
2. PLU
3. Misc. PLU
```

Note: If the setting of MENU 1862, “Print All Report within Range” is “No”, the group with no sales is not printed. But if “Yes”, all group sales data within the range is printed.

*Sample – Group Report

```
X 1   G R O U P   R E P O R T
  AUG-23-04(MON)  09:46:36 AM
  Last Reset
  AUG-16-04(MON)  03:33:14 PM
  Start No:00, End No:99
========================================================
  GROUP #00 NO Assigned PLU Group
--------------------------------------------------------
  TOTAL COUNT                276
  TOTAL PRICE            $5993.70

  PREPACK COUNT                1
  PREPACK PRICE            $ 3.05
--------------------------------------------------------

  GROUP #01 Vegetable
--------------------------------------------------------
  TOTAL COUNT                276
  TOTAL PRICE            $5993.70

  PREPACK COUNT                1
  PREPACK PRICE            $ 3.05
--------------------------------------------------------

  GROUP #02 Fruit
--------------------------------------------------------
  TOTAL COUNT                276
  TOTAL PRICE            $5993.70

  PREPACK COUNT                1
  PREPACK PRICE            $ 3.05
--------------------------------------------------------

                         . . .

========================================================
```

2.15.8 X1/X2 Deptment Sales Report (Menu code 1615/1635)

(MENU -> 6. Report -> 1.X1 Report/3.X2 Report -> 5. Department)

Press “5” key on X1/X2 Report menu screen.

5

```
      X1 DEPT SALES REPORT          (1/1)
No. from[ 1]..to[99]
```

Enter department range to check.
EX) dept 1 ~ dept 10

1 PRINT 1 0

```
      X1 DEPT SALES REPORT          (1/1)
No. from[ 1]..to[10]
```

You can see department sales data by pressing “PRINT” key.

PRINT

```
      X1 DEPT SALES REPORT          (1/1)
Count:261
Total:$4867.23
 [TEST]=print
```

To print report, press “TEST” key.

TEST

```
      X1 DEPT SALES REPORT          (1/1)
Count:261
Total:$4867.23
 Waiting..
```

* If your scale is in label mode, the scale shows “Do you want to print on label?”.

If your label has gap, press 1. if you want to print report on ticket, press 0 and change the setting to Ticket in menu 1731 then change your label to ticket.

```
Do you want to print on label?
1=Yes, 0=No
```

To exit this menu, press “ESC” key.

ESC

```
      X1 REPORT                     (1/3)
1. Scale
2. PLU
3. Misc. PLU
```

Note: If the setting of MENU 1862, “Print All Report within Range” is “No”, the department with no sales is not printed. But if “Yes”, all group sales data within the range is printed.

*Sample – Department Report

```
X 1   D E P A R T M E N T   R E P O R T
  AUG-23-04(MON)  09:46:36 AM
  Last Reset
  AUG-16-04(MON)  03:33:14 PM
  Start No:01, End No:99
=======================================================
  DEPT #01 Default
-------------------------------------------------------
  TOTAL COUNT                 274
  TOTAL PRICE              $5993.70

  PREPACK COUNT                 1
  PREPACK PRICE              $ 3.05
  RETURN COUNT                  0
  RETURN PRICE               $ 0.00
-------------------------------------------------------

  DEPT #02 MEET
-------------------------------------------------------
  TOTAL COUNT                 274
  TOTAL PRICE              $5993.70

  PREPACK COUNT                 1
  PREPACK PRICE              $ 3.05
  RETURN COUNT                  0
  RETURN PRICE               $ 0.00
-------------------------------------------------------

  DEPT #03 FISH
-------------------------------------------------------
  TOTAL COUNT                 274
  TOTAL PRICE              $5993.70

  PREPACK COUNT                 1
  PREPACK PRICE              $ 3.05
  RETURN COUNT                  0
  RETURN PRICE               $ 0.00
-------------------------------------------------------

                          . . .

=======================================================
```

2.15.9 X1/X2 Hourly Sales Report (Menu code 1616/1636)

(MENU -> 6. Report -> 1.X1 Report / 3.X2 REport -> 6. Hourly)

Press “6” key on X1/X2 Report menu screen.

6

Enter time to check.
예) AM 9 hour ~ PM 2 hour

9 PRINT 1 4

You can see hourly sales data by pressing “PRINT” key.

PRINT

To print report, press “TEST” key.

TEST

* If your scale is in label mode, the scale shows “Do you want to print on label?”.
If your label has gap, press 1. if you want to print report on ticket, press 0 and change the setting to Ticket in menu 1731 then change your label to ticket.

To exit this menu, press “ESC” key.

ESC

Note: If the setting of MENU 1862, “Print All Report within Range” is “No”, the hour with no sales is not printed. But if “Yes”, all group sales data within the range is printed.

*Sample – Hourly Report

```
X 1   H O U R L Y   R E P O R T
  AUG-23-04(MON)  09:46:36 AM
  Last Reset
  AUG-16-04(MON)  03:33:14 PM
  Start No:00, End No:23
=======================================================
  HOUR #10
-------------------------------------------------------
  TOTAL COUNT                 274
  TOTAL PRICE              $5993.70

  PREPACK COUNT                 1
  PREPACK PRICE              $ 3.05
-------------------------------------------------------

  HOUR #11
-------------------------------------------------------
  TOTAL COUNT                 274
  TOTAL PRICE              $5993.70

  PREPACK COUNT                 1
  PREPACK PRICE              $ 3.05
-------------------------------------------------------

  HOUR #13
-------------------------------------------------------
  TOTAL COUNT                 274
  TOTAL PRICE              $5993.70

  PREPACK COUNT                 1
  PREPACK PRICE              $ 3.05
-------------------------------------------------------

                          . . .

=======================================================
```

2.15.10 X1/X2 Clerk Sales Report (Menu code 1617/1637)

(MENU -> 6. Report -> 1.X1 Report / 3.X2 Report -> 7. Clerk)

Press “7” key on X1/X2 Report menu screen.

7

```
      X1 CLERK SALES REPORT          (1/1)
No. from[ 0]..to[99]
```

Enter clerk range to check.
EX) clerk 0 ~ clerk 99

0 | PRINT | 9 | 9

```
      X1 CLERK SALES REPORT          (1/1)
No. from[ 0]..to[99]
```

You can see clerk sales data by pressing “PRINT” key.

PRINT

```
      X1 CLERK SALES REPORT          (1/1)
Count:261
Total:$4867.23
 [TEST]=print
```

To print report, press the “TEST” key.

TEST

```
      X1 CLERK SALES REPORT          (1/1)
Count:261
Total:$4867.23
 Waiting..
```

* If your scale is in label mode, the scale shows “Do you want to print on label?”.
If your label has gap, press 1. if you want to print report on ticket, press 0 and change the setting to Ticket in menu 1731 then change your label to ticket.

```
Do you want to print on label?
1=Yes, 0=No
```

To exit this menu, press “ESC” key.

ESC

```
      X1 REPORT                      (1/3)
1. Scale
2. PLU
3. Misc. PLU
```

Note: If the setting of MENU 1862, “Print All Report within Range” is “No”, the clerk with no sales is not printed. But if “Yes”, all group sales data within the range is printed.

*Sample – Clerk Report

```
X 1   C L E R K   R E P O R T
  AUG-23-04(MON)  09:46:36 AM
  Last Reset
  AUG-16-04(MON)  03:33:14 PM
  Start No:00, End No:99
========================================================
  CLERK #00 MANAGER
--------------------------------------------------------
  TOTAL COUNT                 267
  TOTAL PRICE           $ 5693.70

  VOID COUNT                    3
  VOID PRICE              $ 27.30
  REPACK COUNT                  0
  REPACK PRICE             $ 0.00
  OVERRIDE COUNT                0
  OVERRIDE PRICE           $ 0.00
  DISCOUNT COUNT                0
  DISCOUNT PRICE           $ 0.00
  PREPACK COUNT                 1
  PREPACK PRICE            $ 3.05
  RETURN COUNT                  0
  RETURN PRICE             $ 0.00
  NEGATIVE COUNT                0
  NEGATIVE PRICE           $ 0.00
  NO SALE OPEN COUNT            0

  PAY SUMMARY
    CASH          26    $ 1242.70
    PIN/CHIP       2      $ 12.50
    CHECK          2      $ 82.00
    CREDIT CARD    5      $ 84.40
    CREDIT NOTE    2      $ 61.00
    COUPON         3      $ 17.00
    BONUS POINT    0       $ 0.00
    CREDIT SALES   3      $ 60.00
    CHANGE        17     $ 287.46
--------------------------------------------------------

  CLERK #01 CLERK
--------------------------------------------------------
  TOTAL COUNT                 267
  TOTAL PRICE           $ 5693.70
                         . . .
--------------------------------------------------------

  CLERK #02 AHN
--------------------------------------------------------
  TOTAL COUNT                 267
  TOTAL PRICE           $ 5693.70
                         . . .
--------------------------------------------------------

========================================================
```

2.15.11 Z1/Z2 Report (Menu code 1620/1640)

(MENU -> 6. Report -> 2.Z1 Report / 4. Z2 Report)

If you select menu code 1620, you will see following screen.

```
      Z1 SCALE SALES REPORT        (1/1)
Count:296
Total:$6429.48
  [TEST]=print & clear
```

If you want to print and clear the data, press TEST key. The scale shows following screen.

```
Are you sure?(1=y/0=N)
```

If the print mode(paper type) is different, following message is shown on the display.

```
Are you sure?(1=y/0=N)
Warning : Paper Type is Label
```

To print and clear, press “1” key. The scale shows following screen.

1

```
      Z1 SCALE SALES REPORT        (1/1)
Count:296
Total:$6429.48
  Wating..
```

When printing is done, Z1 data is cleard and exit this menu.
Sales data is same with X1 report

```
      REPORT                       (1/2)
1. X1 Report
2. Z1 Report
3. X2 Report
```

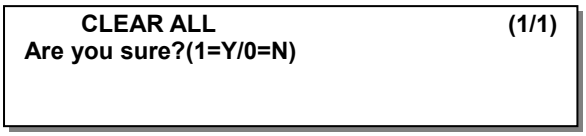
Note 1: If the setting of PARAMETER 598, “Print when Z Report clear” is “No”, you cannot print Z Report.

Note 2: If the setting of PARAMETER 595 “Individual clear(Z report)” is “Yes”, you can clear Scale, PLU, Misc. PLU, Group, Department, Hourly, Clerk data is cleared separately. But if you use this function, each report is not same with scale report.

2.15.12 Clear All Report (Menu code 1650)

(MENU -> 6. Report -> 5.Clear All)

If you select menu code 1650, you will see following screen.



To clear all report, press 1 key. If you do not want to clear, press 0 or ESC key.

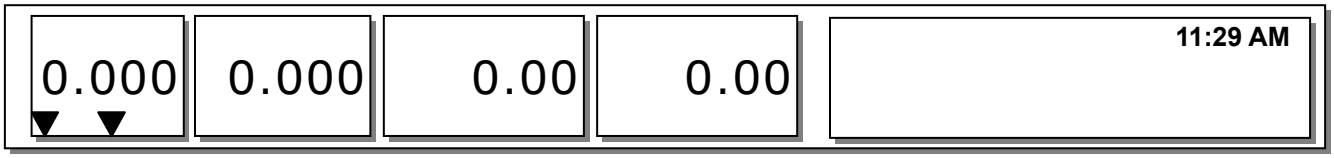
1

3. SALES OPERATION

3.1 Basic Operation

This chapter explains basic operation of scale, such as how to set zero, tare, call up a PLU and override unit price in CL5000 series. In order to make sales transaction user should access REGISTRATION mode.

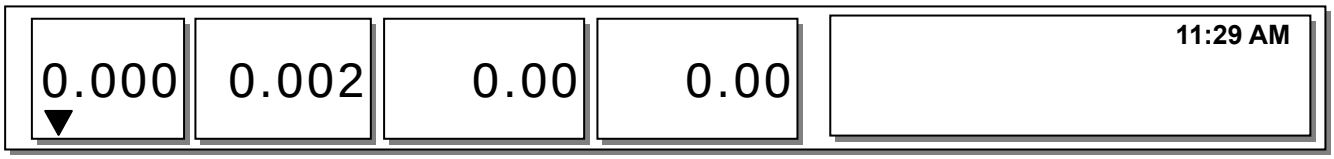
■ How to access REGISTRATION MODE: Turn ON the scale.



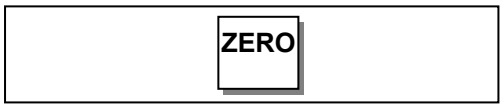
3.2 Zero

You can use the **ZERO** key to correct for a deviation from zero as long as there are no PLUs or MISC PLUs called-up. The weight can sometimes drift from zero due to debris on the platter, leaving objects on the platter for excessive periods of time, or other environmental factors. To correct this, remove everything from the platter and press the **ZERO** key when the stable indicator "▼" is on. Below is a possible zero drifted state that should be corrected by simply pressing the **ZERO** key.

① EX) Initial weight displayed => 0.002.



② Press "ZERO" key to set initial zero.

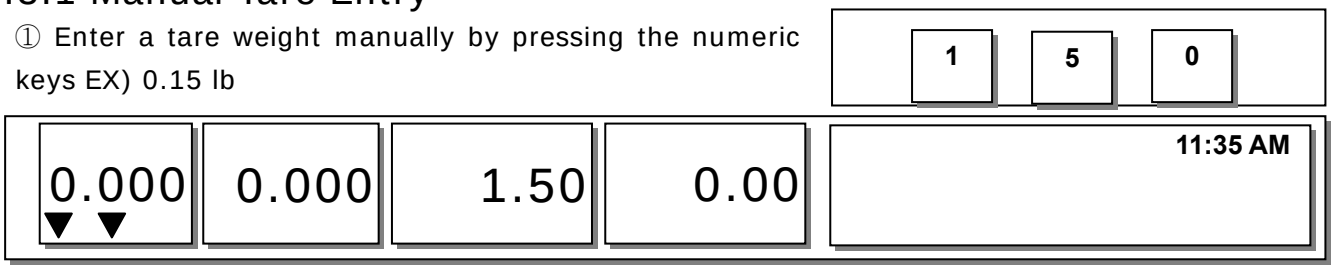


3.3 Tare

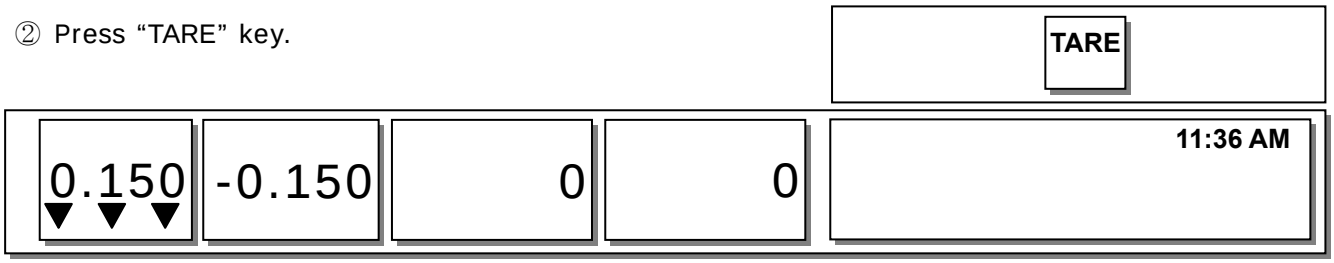
You can enter tare weights as long as there are no PLUs or MISC PLUs called-up. If you need to temporarily override a PLU's tare weight, you must enter the tare weight first and then call-up that PLU. There are two ways to enter a tare weight and both ways will only work if there is no PLU or MISC PLU called-up.

3.3.1 Manual Tare Entry

① Enter a tare weight manually by pressing the numeric keys EX) 0.15 lb

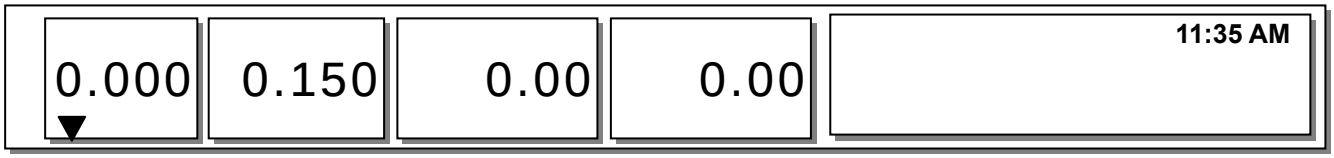


② Press "TARE" key.

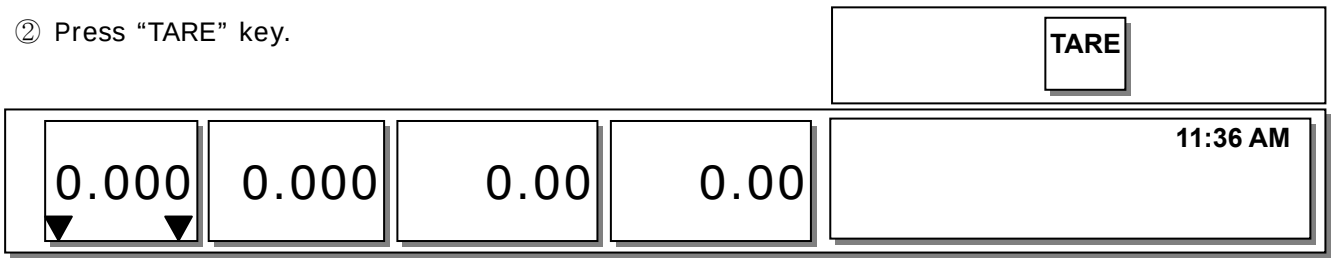


3.3.2 Weighed Tare Entry

① Place the empty container on the platter making sure that the weight is stable EX) 0.15 lb

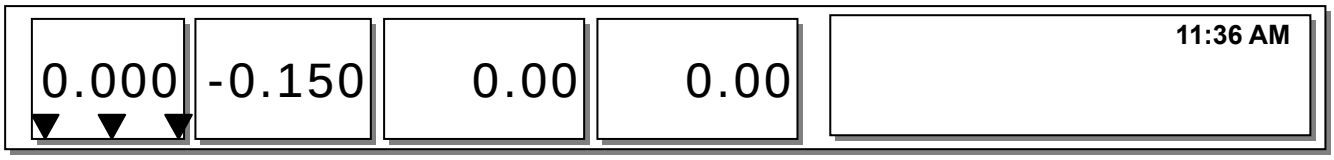


② Press "TARE" key.



3.3.3 How to Clear Tare

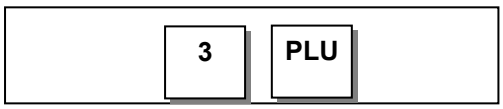
① Remove the item from the platter



② Press “TARE” key again.

3.3.4 Preset Tare

① Call up a PLU including tare(weight of container).
EX) PLU #3’s tare =0.15 lb



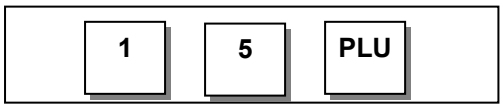
② Clear PLU#3, then tare is also automatically cleared.

3.4 Calling Up a PLU

There are two ways to call up a PLU by using numeric key and preset key.

3.4.1 Using Numeric Key

① Enter PLU number by using numeric keys and press “PLU” key. EX) PLU No. 15



☞ ***Note***

Even though you do not press PLU key after entering a PLU number, PLU will be

displayed depending on the setting time. It takes time to call up a PLU depending on the setting of parameter, 586 “Indirect PLU Call Time”.

3.4.2 Using Speed Key

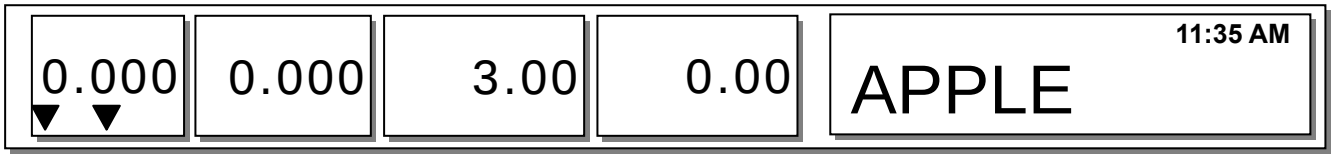
To call-up PLU number 79, and you programmed Speed key #5 to be PLU number 79, then you need to press the following key: Speed key #5.

Note:

- You have to set Speed key in program mode (Menu 1160 on chapter 2.6.1)

① Press a speed key (which is save as a PLU).

EX) PLU #79=Apple, Speed key #5



3.5 Override (FOR key)

The **OVERRIDE** key is used to temporarily change the pricing of ***priced PLUs***.

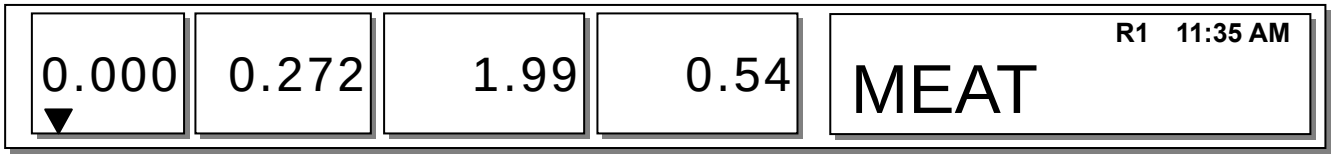
☞ If you set program menu 1873(Save unit price change), changed priced is saved after printing a label.

☞ If Para 534 : Default UnitWeight is different from unit weight of PLU, “Multiple Unit PLU” message can be occurred.

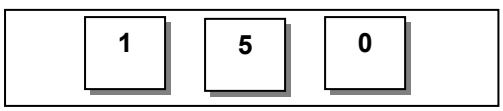
3.5.1 By-Weight PLU

- PLU# 1.MEAT (PLU Type: By weight, Unit Price : 1.99$).

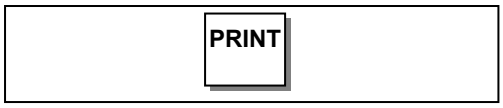
① Press OVERRIDE key.

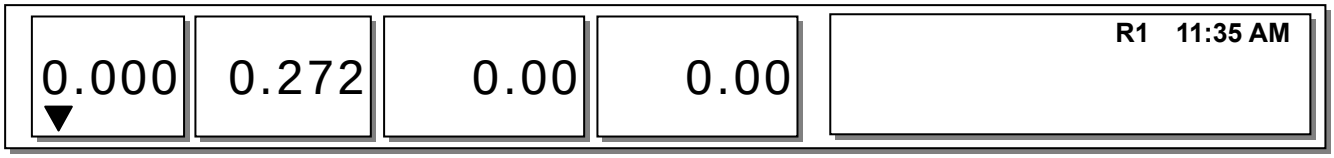


② Enter new unit price.



③ Press PRINT key to print label.

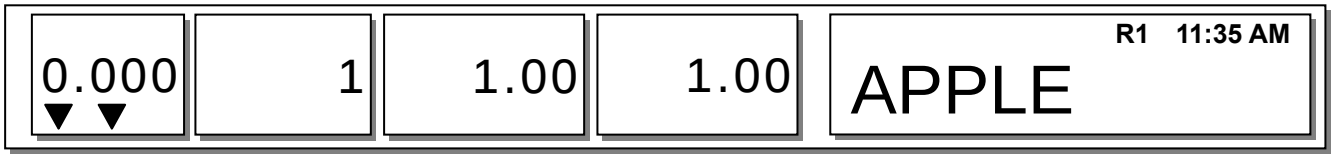




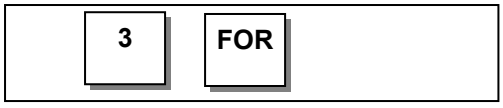
3.5.2 By-Count PLU

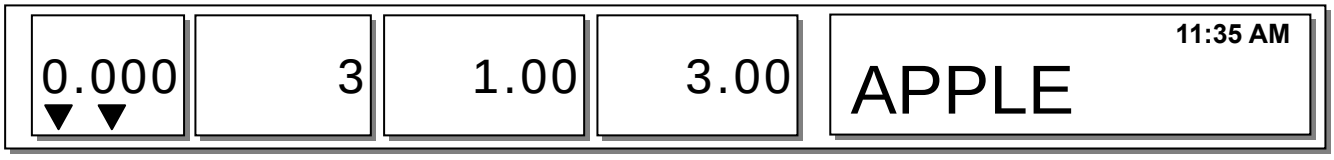
- PLU# 2.APPLE (PLU Type: By count, Unit Price : 1.00$).

① Press OVERRIDE key.

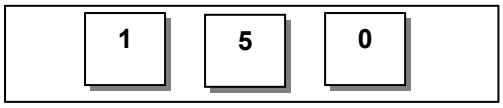


② Enter QUANTITY and press FOR key.

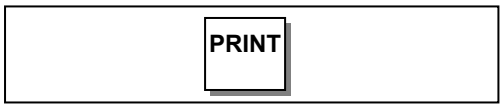




③ Enter new unit price.



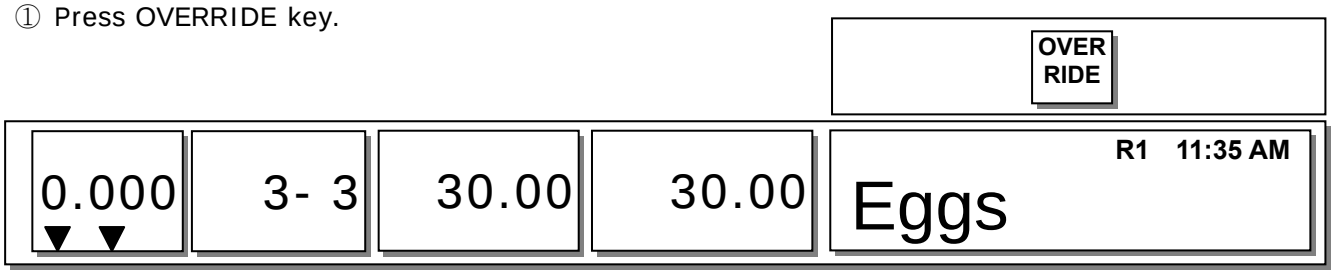
④ Press PRINT key to print label.



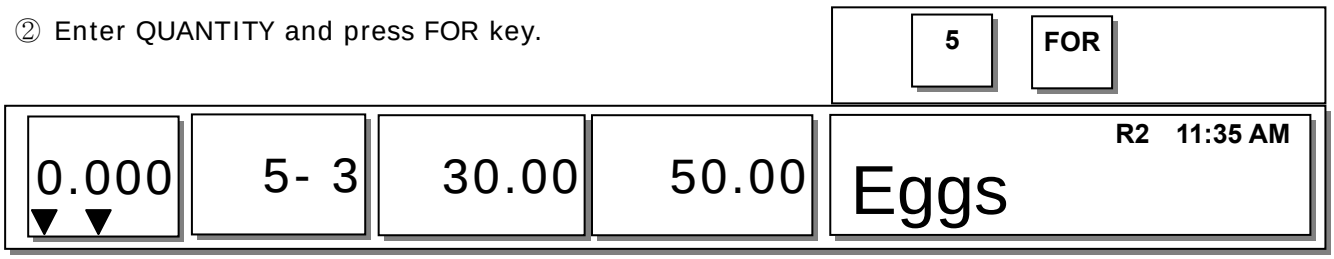
3.5.3 By-PCS PLU

- PLU# 3.Eggs (PLU Type: By PCS, Pieces : 3, Unit Price : 30.00$).

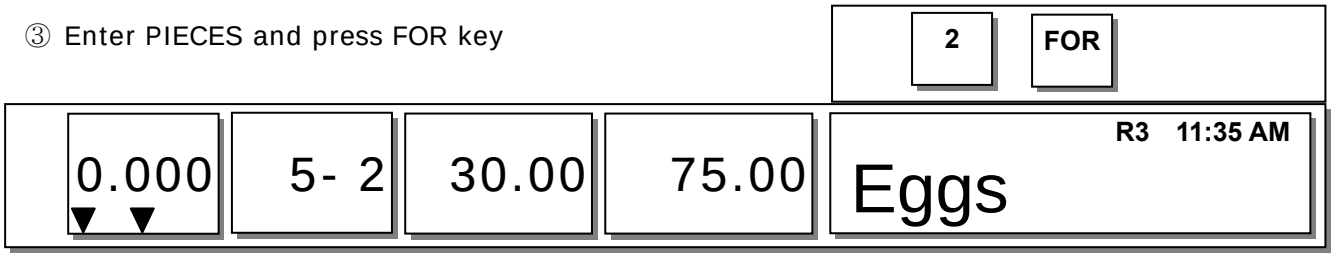
① Press OVERRIDE key.



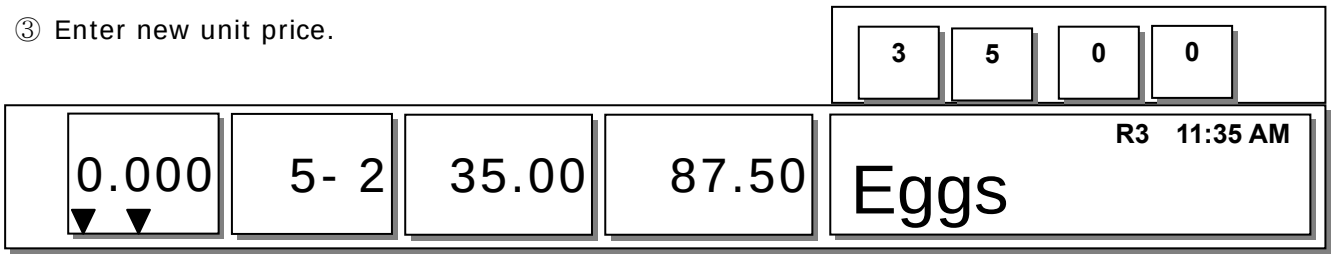
② Enter QUANTITY and press FOR key.



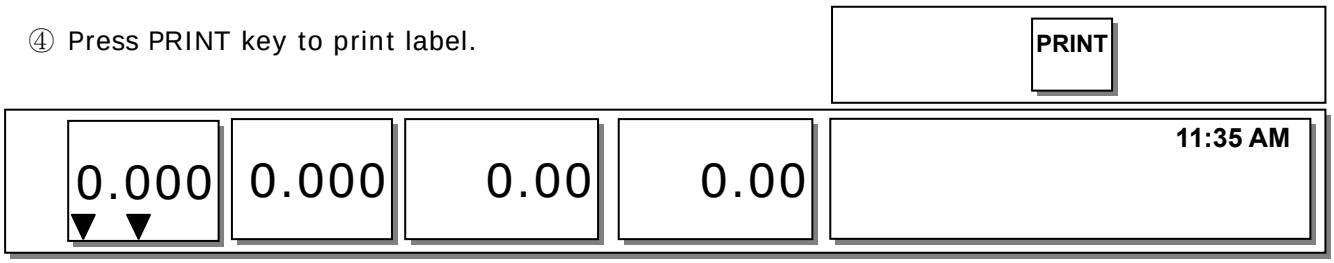
③ Enter PIECES and press FOR key



③ Enter new unit price.



④ Press PRINT key to print label.



☞ ***Note:***

- If you set program menu 1873(Save unit price change), changed priced is saved after printing a label.
- If you set parameter 501(Ride Second Position), you can change unit price of by-count PLU and pcs of by-pcs PLU directly.
- Discount function is not available when you use OVERRIDE key.

3.6 Sales Operation

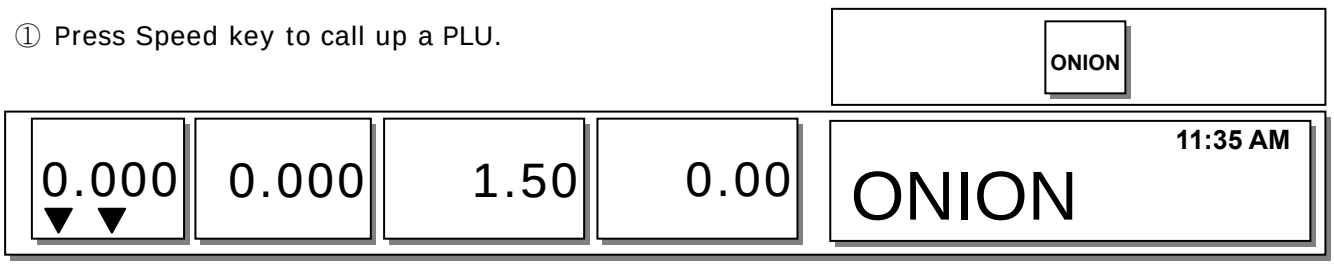
3.6.1 Weighed Item Operation

EXAMPLE:

- PLU No: 29, PLU Name: ONION, PLU type: by weight, Unit Price: 1.50$,

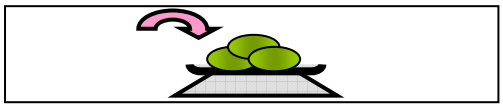
- Sales Weight=1.0lb

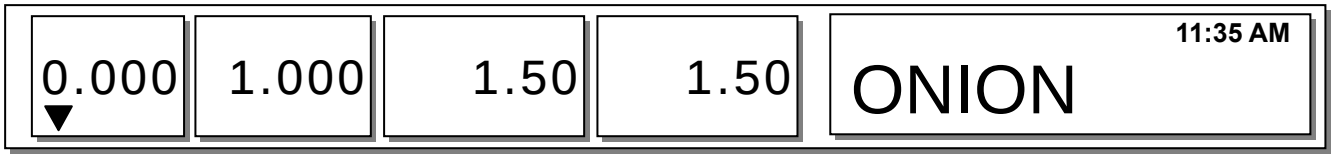
① Press Speed key to call up a PLU.



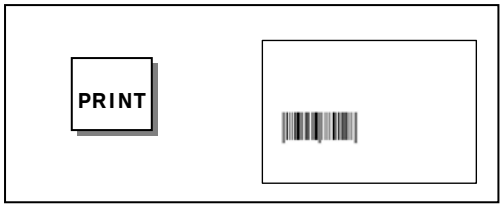
- User may call up a PLU by pressing speed key or numeric key. Please refer to chapter 3.4 for details.

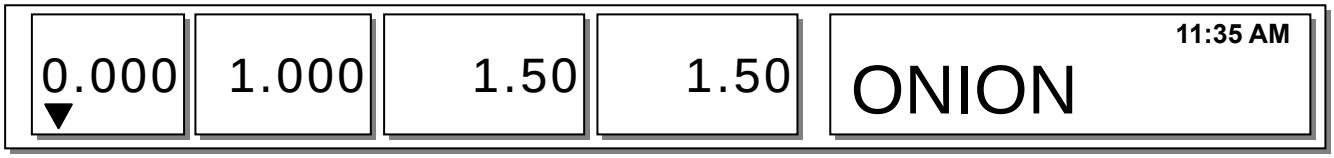
② Place the item(s) on the platter.



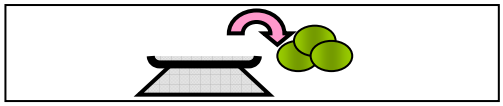


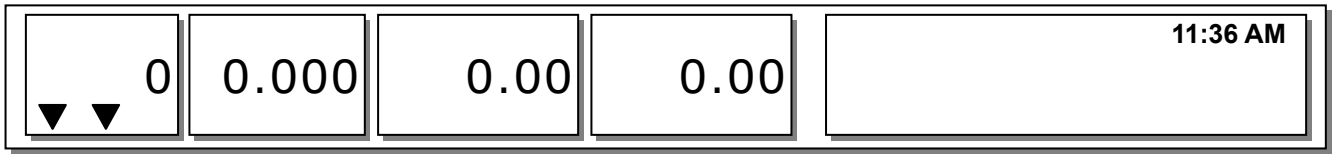
③ Press “PRINT” key to print a label and complete current transaction. This transaction(s) is saved in the sales record.





④ Remove the item(s) from the platter.





* Total Price= Sales weight X Unit price

☞ ***Note:***

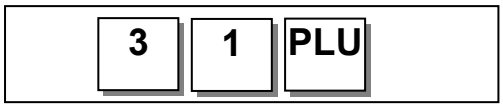
- In “SAVE” & “Prepack” mode the PLU is not automatically cleared when you remove the item from the platter.
- If you set “PLU clr Aft sale(WT.OnTray)” to “Y” in Menu 1873, PLU is cleared even though you do not remove the item from the platter. (See chapter 2.14.21 for menu 1873)

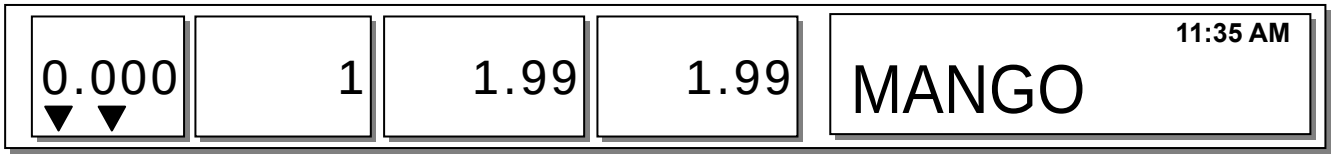
3.6.2 By Count Item

EXAMPLE:

- PLU No: 31, PLU Name: MANGO, PLU type= By-Count, Unit Price: 1.99$,
- Sales 20 pieces.

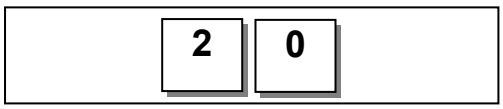
① Press numeric key(s) to call up a PLU.

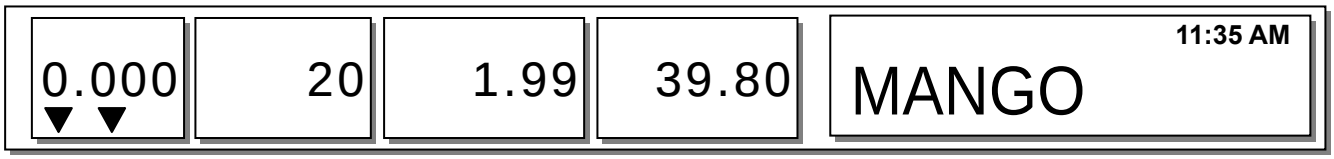




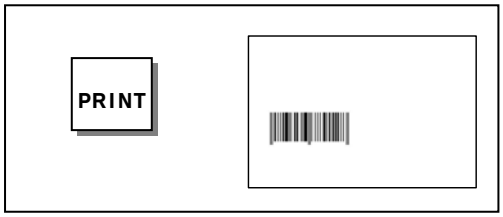
- User may call up a PLU by pressing speed key or numeric key. Please refer to chapter 3.4 for details.

② Enter the number of pieces.
EX) 20 pieces.





③ Press "PRINT" key to print a label and complete current transaction. This transaction(s) is saved in the sales record.



* Total Price= Piece(s) X Unit price

☞ ***Note:***

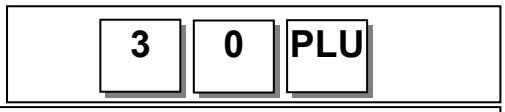
In "SAVE" & "Prepack" mode, the PLU called up is not automatically cleared when you remove the item from the platter.

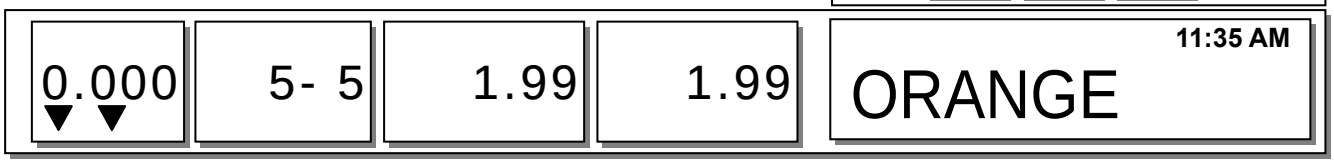
3.6.3 By PCS Item

EXAMPLE:

- PLU No: 30, PLU Name: ORANGE, PLU type= By PCS, PIECES: 5, Unit Price: 1.99$
- Sales=20 pieces. [QUANTITY item]

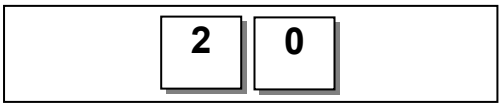
① Press numeric key(s) to call up a PLU.

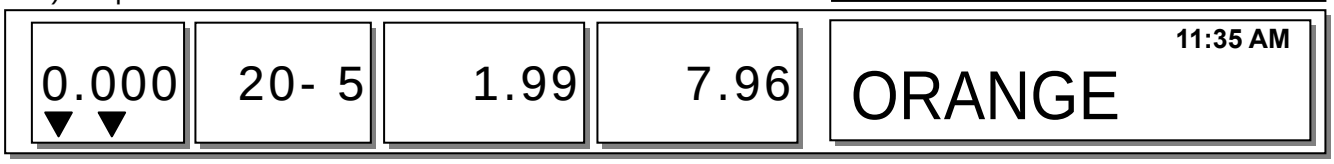




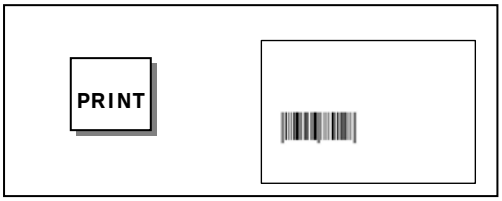
- User may call up a PLU by pressing speed key or numeric key. Please refer to page 143 for details.

② Enter QUANTITY [the number of Pieces].
EX) 20 pieces.





③ Press "PRINT" key to print a label and complete current transaction. This transaction(s) is saved in the sales record.



* Total Price= QUANTITY X [Unit price / PIECES]

☞ ***Note:***

In "SAVE" & "Prepack" mode the PLU is not automatically cleared when you remove the item from the platter.

3.7 Discount

Before using discount function, you have to set discount data in menu 1130 of program mode. Discount is different depending on PLU type. (For details, see chapter 2.4.1)

3.7.1 Unit Price Discount - By Weight PLU

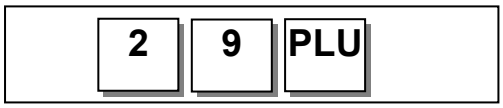
EXAMPLE 1:

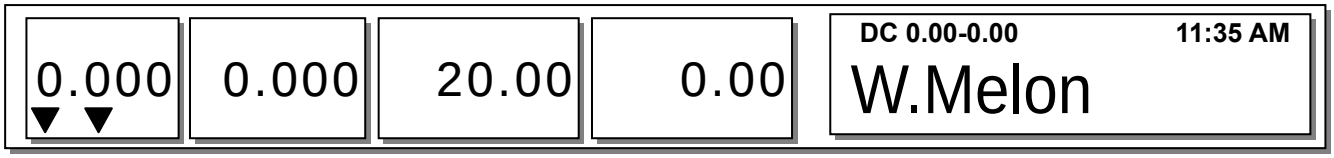
PLU# 29=Water Melon (By-Weight PLU), Unit price=20.00

- **1st Target of Discount**: "Discount amount from unit price"=0.50 for weight ≥ 0.500.

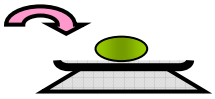
- **2nd Target of Discount**: "Discount amount from unit price"=1.00 for weight ≥ 1.000.

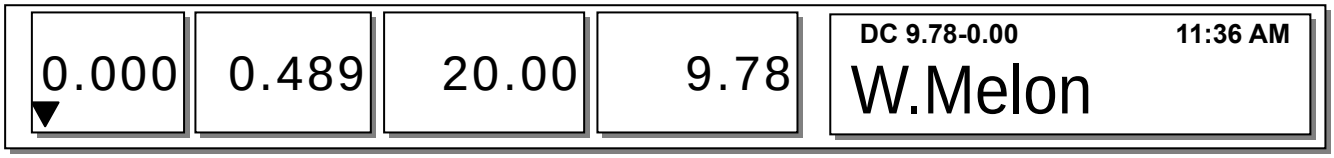
① Calll up a PLU.



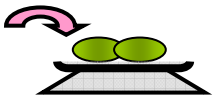


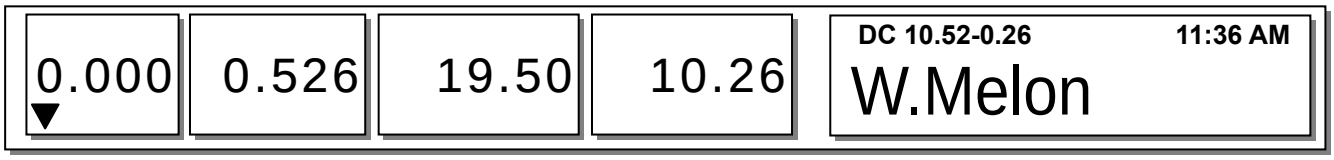
② Place an item on the platter. In this case, discount is not available because the weight of this item(0.489 lb) is lower than 1st target(0.500 lb).





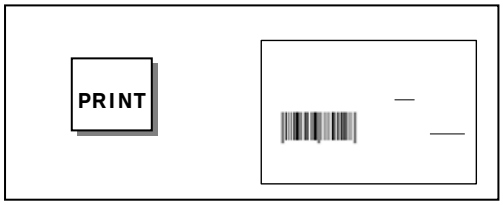
③ Place an item on the platte. In this case, discount is possible because the weight of item(0.526 lb) is greater than 1st target(0.500lb) therefore the total price is 10.26.





④ Place items on the platter. In this case, discount is possible because the weight of item(1.076 lb) is greater than 1st target(0.500 lb) therefore the total price is

⑤ Press the PRINT key. Markdown(~~STRIKE THROUGH~~) is printed on label as figure.



☞ ***Note :***

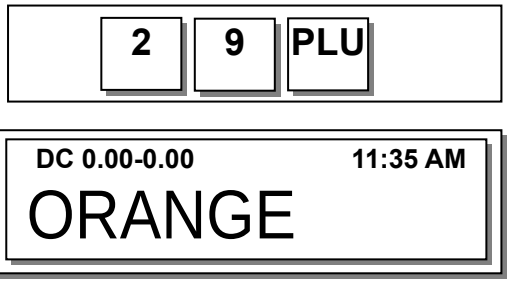
- You can set four markdown information in menu 1720 of program mode.(See chapter 2.13.3)
- If you set “display discount info.” to “Y” in menu 1871 of program mode, you can see total price and discount information on the display. (See chapter 2.14.21)

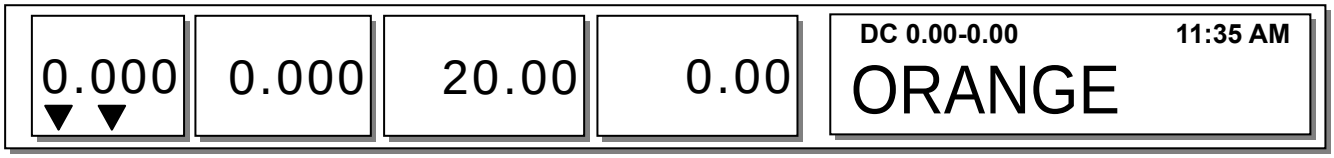
3.7.2 % Unit Price Discount - By Weight PLU

EXAMPLE: PLU# 29=ORANGE (By-Weight PLU), Unit price=20.00

- **1st Target of Discount**: “10 % off from unit price” for sales weight ≥ 0.500 lb.
- **2nd Target of Discount**: “20 % off from unit price” for sales weight ≥ 1.000 lb.

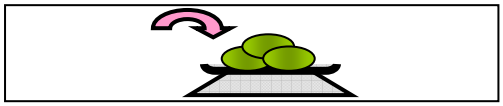
① Call up a PLU.





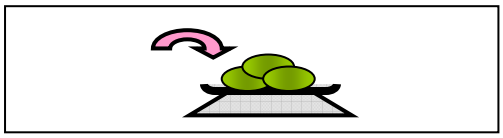
* User may call up a PLU by pressing speed key or numeric key. Please refer to chapter 3.4 for details.

② Place an item on the platter. In this case, discount is not available because the weight of this item(0.489 lb) is lower than 1st target(0.500 lb).



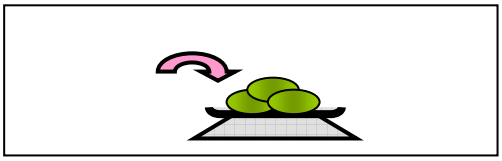
0.000 ▼	0.489	20.00	9.78	DC 9.78-0.00	11:36 AM
				ORANGE	

③ Place items on the platter. In this case, the weight of items(0.526 lb) is greater than 1st target(0.500 lb) therefore you can have 10% discount. (Total price is 9.47)



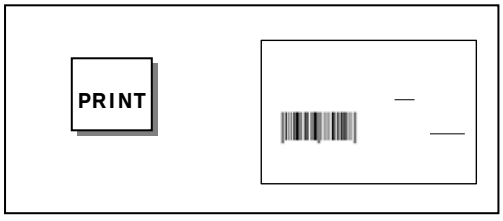
0.000 ▼	0.526	18.00	9.47	DC 10.52-1.05	11:36 AM
				ORANGE	

④ Place items on the platter. In this case, the weight of items(1.076lb) is greater than 2nd target(1.000lb) therefore you can have 20% discount. (Total price is 17.22)



0.000 ▼	1.076	1.60	17.22	DC 21.52-1.08	11:36 AM
				ORANGE	

⑤ Press the PRINT key. Markdown(~~STRIKE THROUGH~~) is printed on label as figure.

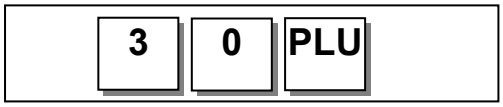


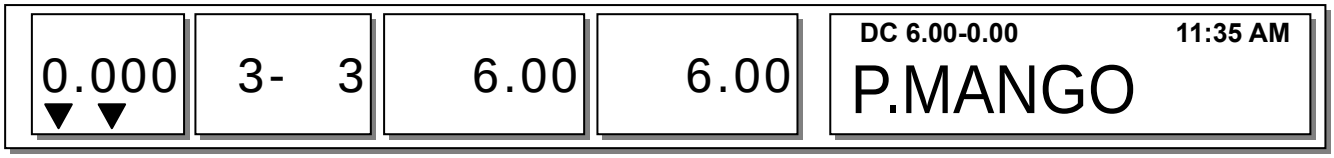
3.7.3 Unit Price Discount - By PCS PLU

EXAMPLE 2: PLU# 30=PREMIUM MANGO, **3 pieces FOR 6.00**

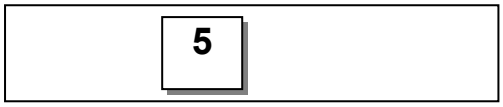
- **1st Target of Discount**: "Discount amount from unit price"=0.20 for sales ≥ 5 pieces.
- **2nd Target of Discount**: "Discount amount from unit price"=0.50 for sales ≥ 10 pieces.

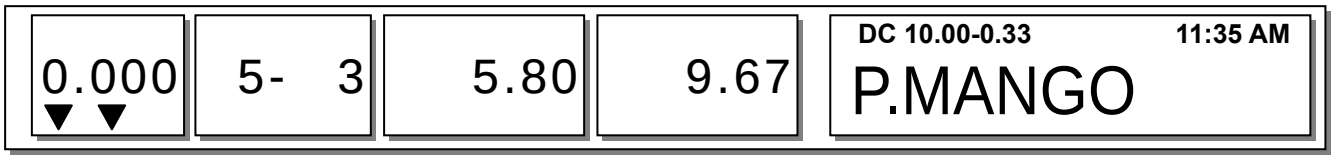
① Call up a PLU.



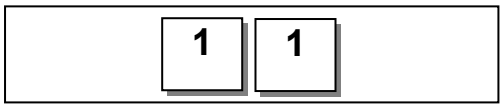


② Enter quantity. In this case, 5 is greater than 1st Target (5), unit price(0.20$) is discounted.

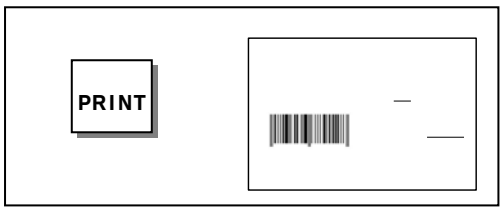




③ Enter quantity. In this case, 11 is greater than 2nd Target (10), unit price(0.50$) is discounted.



④ Press the PRINT key. Markdown(~~STRIKE THROUGH~~)s printed on label as figure.



☞ ***Note :***

- You can set four markdown information in menu 1720 of program mode. (See chapter 2.13.3)

3.8 Add-Up Transaction

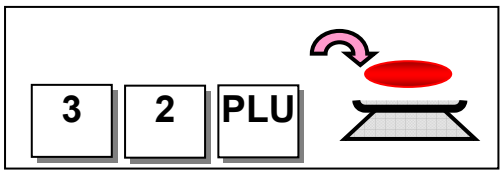
If you press the **ADD** key instead of the **PRINT** key, you will initiate the ADD-UP process. You can ADD-UP 100 items maximum.

EXAMPLE:

PLU# 32=SIRLOIN, PLU Type = By-Weight, Unit Price=20.00,

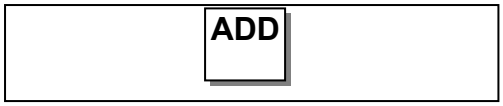
PLU# 35=T-bone Steak, PLU Type = By-PCS, Pieces=3, Unit Price=6.00

① Call up a PLU and place item on the platter.



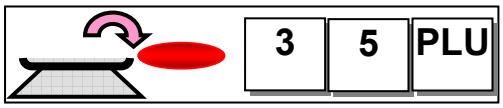
0.000 ▼	0.489	20.00	9.78	11:35 AM SIRLOIN

② Press ADD key. PLU is cleared automatically. You will see the display as below.



0.000 ▼	0.489	0.00	0.00	ADD 1 W 9780 11:36 AM

③ Remove item from the platter and call up a PLU.

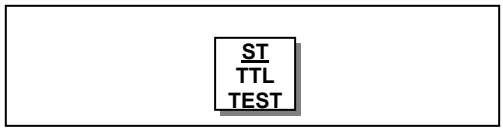


0.000 ▼ ▼	2- 3	6.00	4.00	11:36 AM T-BONE

④ Press ADD key. PLU is cleared automatically. You will see the display as below.

0.000 ▼ ▼	0.000	0.00	0.00	ADD 2 W 10180 11:36 AM

⑤ You can repeat the ADD-UP process up to 100 times or you can press the **ST/TTL** key at anytime to see the grand-total.



⑥ To complete the sale, press the PRINT key. (To repeat the ADD-UP process, press the ESC key.)

☞ ***Note:***

- You can press the **VOID** key to undo the transaction. (See chapter 3.10).
- If you set “Print Item Label” to “Y” in menu 1750 of program mode, label will be printed whenever you press the ADD key. (See chapter 2.13.3)
- Even though you turn off the scale before printing a grand total label, add-up data is not cleared.

3.9 Clerk Operation

There are three clerk modes as below.

▶ Clerk Modes

No.	Clerk Modes	Description
1	**No Clerk**	Sales clerk does not log in and makes sales using “PRINT” key.
2	**Standard Clerk**	Generating a standard clerk transaction is the same as any sales mode transaction except that you do NOT press the **PRINT** key; instead you must press one of the V(Clerk-Speed) keys (1 through 4) You can print total price label depending on the setting.
3	**Floating Clerk**	Generating a standard clerk transaction is the same as any sales mode transaction except that you do NOT press the **PRINT** key; instead you must press one of the V(Clerk-Speed) keys (1 through 4) You can print total price label depending on the setting. Sales data is added automatically.

☞ To register clerk, refer to menu code 1850 of program mode. (See chapter 2.14.6)

Assumption

- Clerk should be registered on menu 1850. (See chater 2.14.6)
- Clerk number should be set on menu 1856 to use “V1, V2, V3, and V4” keys (See chapter 2.14.12) If the clerk is not assigned to V1~V4, this clerk has to enter password after pressing V key.
- All clerks can use “V” key.

* Up to 100 transactions are available in Clerk mode
* Sales data is saved in memory.
* If you press PRINT key to complete transaction, grand total price is printed and sales data is cleared from memory.
* If you want to see total price before completing transaction, press the ST/TTL key. To print, press the PRINT key.
* Even though you turn off the scale before printing, sales data is not cleared.
* If you want to print ticket when you log out, press V1, V2, V3 or V4 to log on and press the PRINT key. You can also check total price by pressing ST/TTL key after log on.

☞ **Note:**

- You have to set Clerk log out time in menu 1874 of program mode. (See chapter 2.14.21) If you do not call a PLU and do not operate the scale, time is computed. To set 30 seconds for logout time, enter 300. If you do not want to log out, enter 0.
- When there is no PLU, you can print ticket again by pressing X key (It depends on the setting of parameter 599, Print last ticket)

3.9.1 Standard Clerk Operation

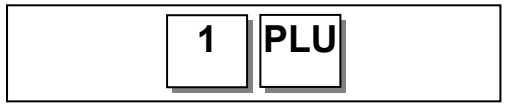
Assumption

- You have to set “Select Clerk Sale mode” to “2” (Standard Clerk) in menu 1820 of program mode. (See chapter 2.14.3)

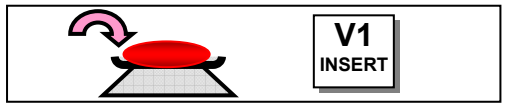
Example:

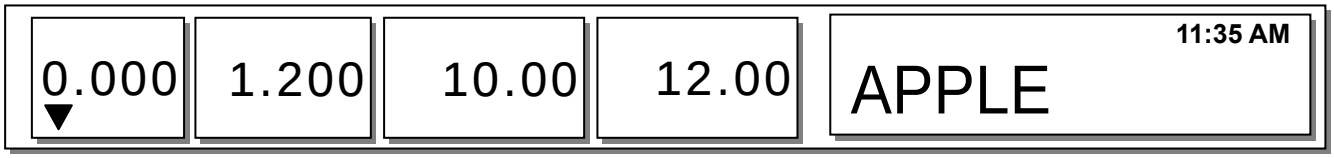
Clerk No: 2, Clerk Name: Christine, Clerk Key: V1
PLU#1=Apple, Unit Price 10.00, Weight, 1.2 lb
PLU#2=Orange, Unit Price 20.00, Weight, 1.2 lb

① Call up a PLU.

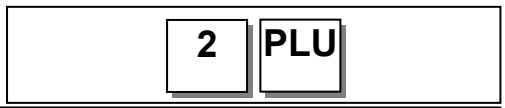


② Place an item and press V1 key. You will get a label automatically.

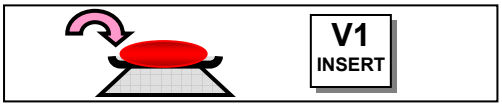




③ Call up a PLU.



④ Place an item and press V1 key. You will get a label automatically.



0.000 ▼	1.200	20.00	24.00	11:35 AM ORANGE

⑤ Press the PRINT key to complete transaction. If you are in ADD-UP mode, you can have label for grand total price.

0.000 ▼	1.200	0.00	0.00	11:35 AM

☞ **Note**

- If you are in ADD-UP mode, you can have label for grand total price by pressing PRINT key. When you turn on the scale, this function is not active so you have to press ADD key.

3.9.2 Floating Clerk Operations

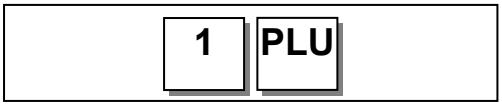
Assumption

- You have to set “Select Clerk Sale mode” to “3” (Floating Clerk) in menu 1820 of program mode. (See chapter 2.14.3)

Example:

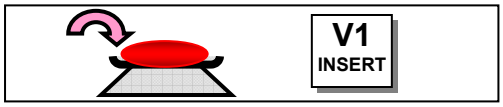
Clerk No: 2, Clerk Name: Christine, Clerk Key: V1
PLU#1=Apple, Unit Price 10.00.
PLU#2=Orange, Unit Price 20.00

① Call up a PLU #1.



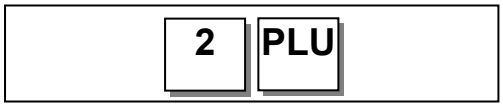
0.000 ▼ ▼	0.000	10.00	0.00	11:35 AM APPLE

② Place an item on the platter and press the V1 key. This transaction is save to memory.



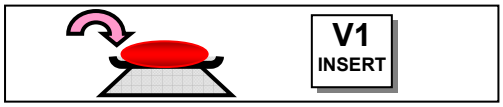
0.000 ▼	1.200	10.00	12.00	11:35 AM APPLE

③ Call up a PLU #2.



0.000 ▼ ▼	0.000	20.00	0.00	11:35 AM ORANGE

④ Place an item on the platter and press the V1 key. This transaction is saved to memory.



0.000 ▼	1.200	20.00	24.00	11:35 AM ORANGE

⑤ Press the PRINT key to complete transaction. Grand total price label is printed and sales data is cleared in memory.

0.000 ▼	1.200	0.00	0.00	11:36 AM

☞ **Note:**

- Print mode of floating clerk operation is ticket type as default. If you want to use label type, you have to change setting in menu 1731 of program mode. (See chapter 2.13.5)
- You can set ticket item in menu 1761 of program mode. (See chapter 2.13.15)

3.10 Void

You can press the **VOID** key to undo transaction in add-up process or floating clerk operation.

Assumption) You sold several items

■ If there is no PLU or price is zero.

① Press the VOID key, you will see following screen.

VOID NUMBER		[0] 3 list
1.	9.78	ORANGE
2.	5.00	BANANA
3	10.00	APPLE

② To void ORNAGE, enter 1 by pressing numeric key and press the PRINT.

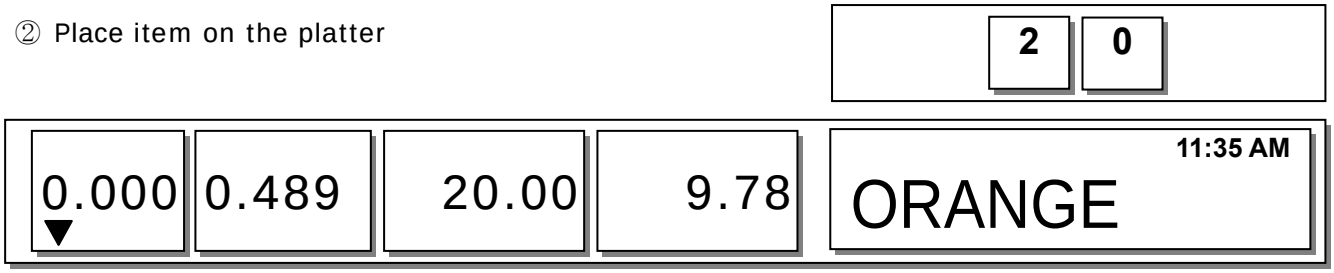
VOID NUMBER		[1] 3 list
1. void	9.78	ORANGE
2.	5.00	BANANA
3	10.00	APPLE

③ To finish, press the ESC key

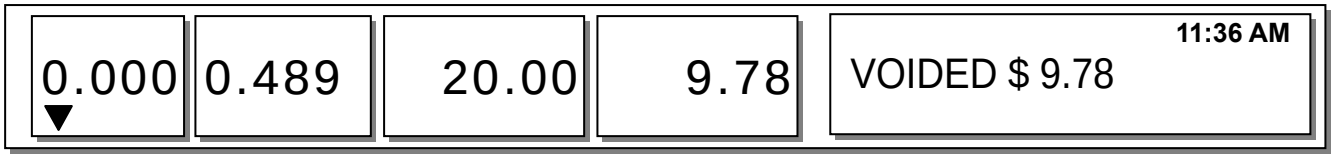
※ You can use the **PG UP** and **PG DOWN** keys or the Arrow keys to navigate up and down the list.

■ If there is same PLU and same price to void

② Place item on the platter



② Press VOID key then this sale is cleared.



※ If price is not same, void list screen is shown on the display automatically.

3.11 Payment & Change

▶ Payment

No.	Type
0	Cash
1	Pin/chip
2	Check
3	Credit card
4	Credit note
5	Coupon
6	Bonus point
7	Credit

You can use PAY key in the add-up process or floating clerk operation.

EX) Total price **:** 15.00 $

If customer give 6.00 coupon and cash 10.00 $ to clerk

① Press PAY key when there is subtotal price

```
SUBTOTAL        $       15.00
Payment         [5]     Coupon
```

② Select payment type 5(coupon) and press PRINT key.

※ See Payment table.

```
SUBTOTAL        $       15.00
Payment         [5]     Coupon
COUPON          [       15.00   ]
```

③ Enter 6.00

```
SUBTOTAL        $        15.00
Payment         [5]      Coupon
COUPON         [         6.00]
```

④ Press PRINT key then you can select payment type again.

```
SUBTOTAL        $        15.00
Payment         [5]      Coupon
COUPON         [         9.00]
```

⑤ Select Payment type (0 cash) and press PRINT key.

```
SUBTOTAL        $        15.00
Payment         [0]      Cash
CASH            [        9.00 ]
```

⑤ Enter 10.00.

```
SUBTOTAL        $        15.00
Payment         [0]      Cash
CASH           [        10.00]
```

⑥ Press PRINT key. The label is issued.

```
SUBTOTAL        $        15.00
RECEIVE $       16.00
CHANGE          $        1.00
```

※ Total price, receive and change is printed.

☞ **Note :**

- You can set print item in menu 1760 of program mode. (See chapter 2.13.14)
- If there is credit, a receipt is printed additionally.

3.12 Return

The **RETURN** key is used to delete erroneous sale transactions. You can use the **RETURN** key to undo erroneous sales transactions like pressing the **PRINT** key inadvertently, selecting and printing the wrong PLU, an inadvertent Auto-Print in Pre-Pack mode, or perhaps adjusting the sales totals for a damaged or ruined package. Whatever the reason, the **RETURN** function will decrement returned PLU's transaction counter and sales totals by the specified amount.

You need to call-up the PLU that you wish to return by either pressing its corresponding speed key or typing its number.

■ When the price is zero,

0) By weight PLU : You need to enter the total price and weight that was printed on the return PLU's label

1) By count PLU: You need to enter the total price and quantity that was printed on the return PLU's label

■ When the price is higher than zero,

Return function is performed by pressing RETURN key

☞ **Note :**

- If you set "Shift key instead return key" to "Y" in menu 1873 of program mode, you cannot use return function. (See chapter 2.14.21)
- If parameter 596 X/Z Report is not set, this function is not operated.

3.13 Prepack Key

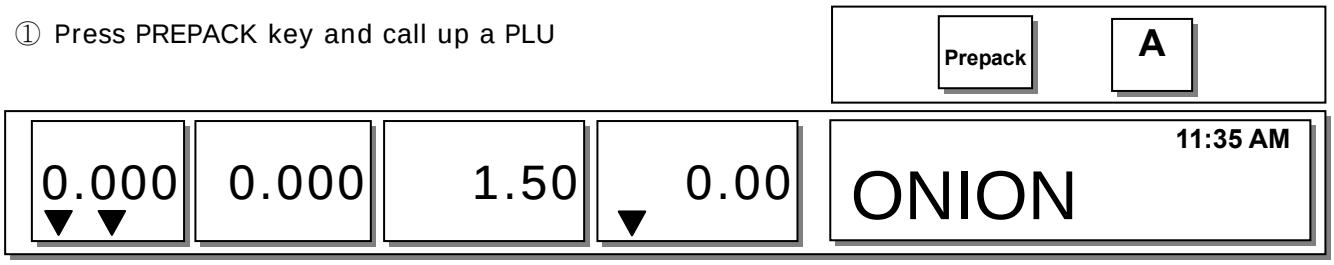
When the scale is in Pre-Pack mode, it prints labels automatically. When it is in MANUAL mode, you must press the **PRINT** key (or **ADD** key) to get a label. In Pre-Pack mode, you cannot select AUTO mode. Pre-Pack works like AUTO and SAVE mode except that the weight does not need to return to zero for every auto-print.

Pre-pack mode is very useful in back-room applications. This mode increases productivity by not requiring the user to press the **PRINT** key for every package. Instead the user can concentrate on weighing, wrapping, and labeling.

This function is only available for by-weight PLU.

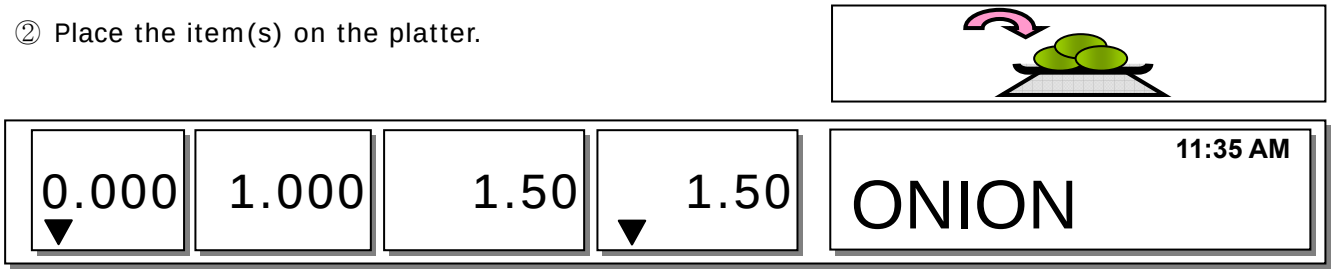
EXAMPLE: Speed key #1="Onion" Unit price=1.50, Sales Weight=1.0lb,

① Press PREPACK key and call up a PLU

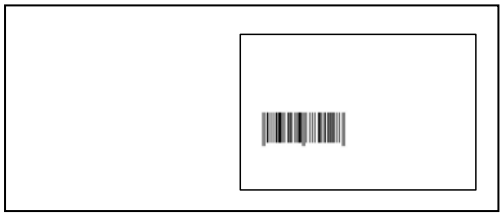


- * User may call up a PLU by pressing speed key or numeric key. Please refer to Menu code 1160.

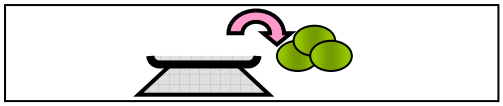
② Place the item(s) on the platter.

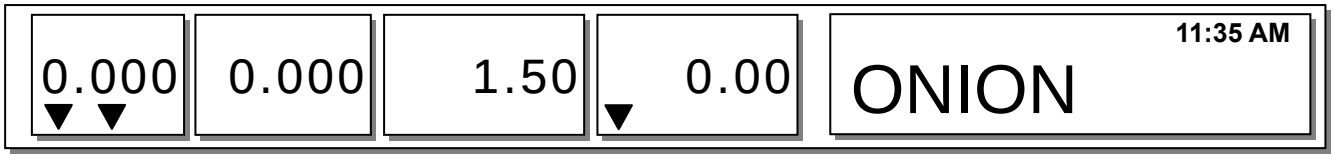


③ Label is issued automatically.



④ Remove the item(s) from the platter.





☞ **Note :** If the scale is in Prepack mode then it will always auto-print if the Total price is greater than 0.00 and:

1. The weight deviates by an amount greater than or equal to the Parameter 862 setting(Min. weight for sale) and the weight stabilizes at a weight greater than zero.

2. The weight deviates by an amount greater than or equal to the Parameter 861 setting(Auto threshold) and the weight stabilizes at a weight greater than zero.

3.14 X Key

The **X** key is used to print multiple transactions for the same PLU. The **X** key operation is called the Multi-Label function.

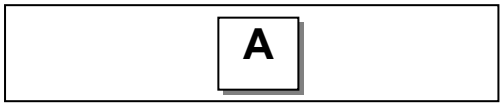
3.14.1 By-Weight PLU

Note : If you want to use X key for by-weight PLU, you must set Parameter 582, Use 'X' key (by WT.).

EXAMPLE)

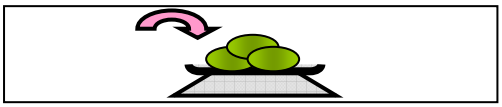
Speed key #1="Onion" preset key, Unit price=1.50, Sales Weight=1.0lb,

① Call up a PLU



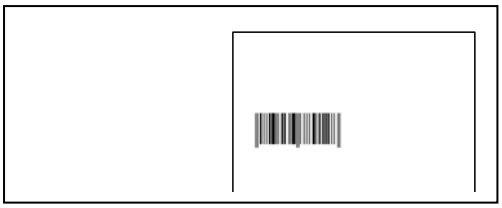
- * User may call up a PLU by pressing speed key key or numeric key. Please refer to chapter 3.4 for details.

② Place the item(s) on the platter.



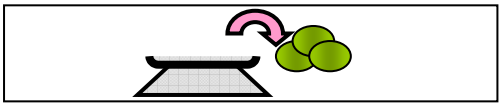
0.000 ▼	1.000	1.50	1.50	11:35 AM ONION

③ Type the number of labels you require and press the **PRINT** key.



0.000 ▼	1.000	1.50	1.50	X 00 LABELS 11:35 AM ONION

④ Remove the item(s) from the platter.



0.000 ▼ ▼	0.000	0.00	0.00	11:36 AM

☞ **Note :**

- If you set “Label Prt. w.o Rewind (X Key)” to “Y” in menu 1872 of program mode, the scale does not check peel-off, so you have to press FEED key after printing is done. (See chapter 2.14.21)

- If you set “Use double print(AUTO)” to “Y” in menu 1872 of program mode, you will have two same labels in auto mode.

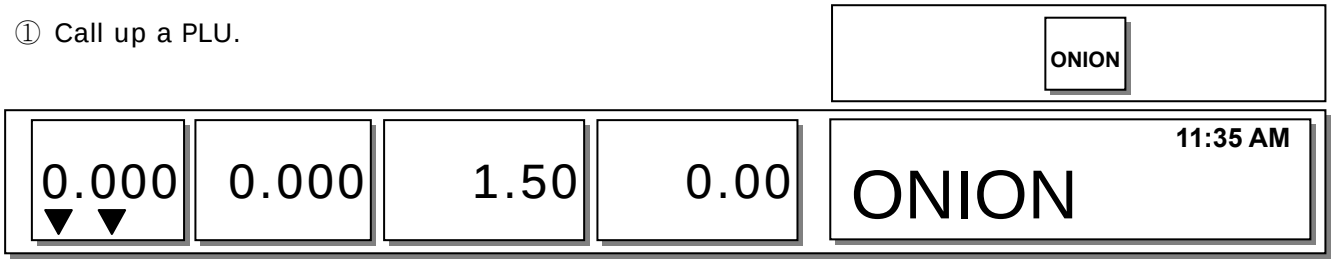
- If you set 2nd label in PLU programming, 2nd label is issued automatically.

3.14.2 Non-Weighed PLU

You can use X key for by Count, By PCS PLU without any setting. The way of using X key is same as by-weight PLU except weighing item.

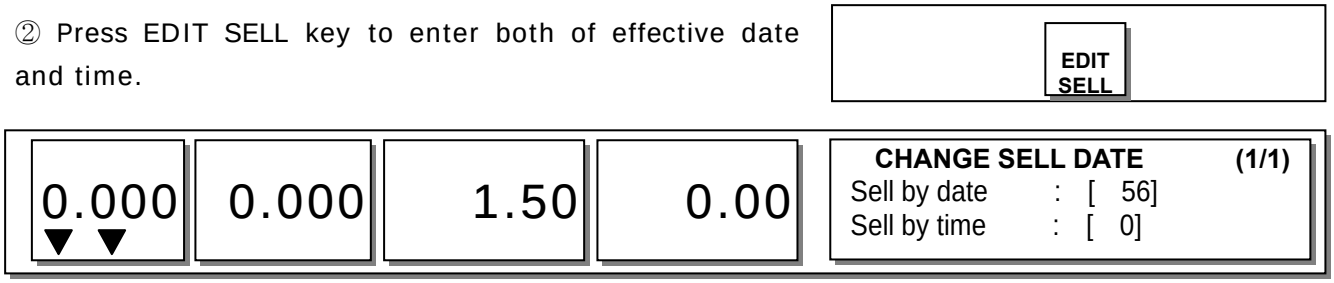
3.15 How to Change Sell By Date / Time

① Call up a PLU.

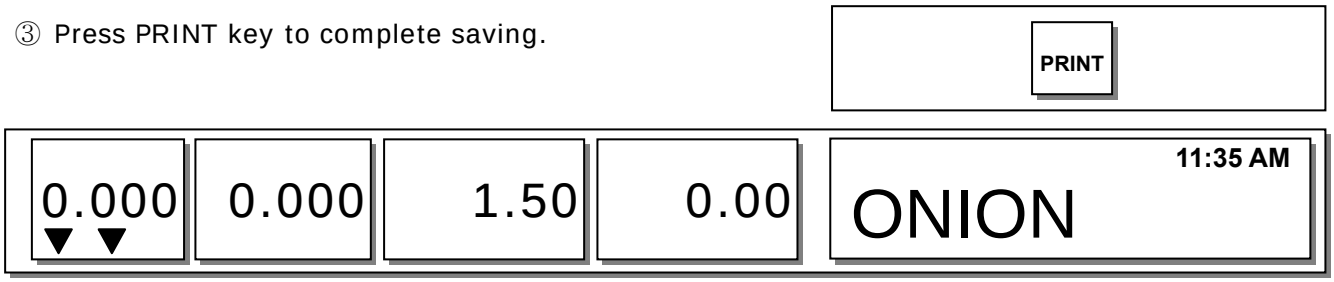


.

② Press EDIT SELL key to enter both of effective date and time.



③ Press PRINT key to complete saving.

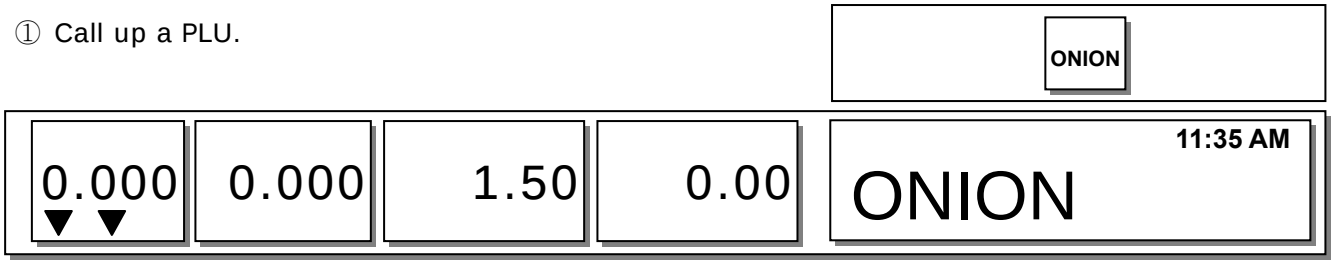


☞ **Note:**

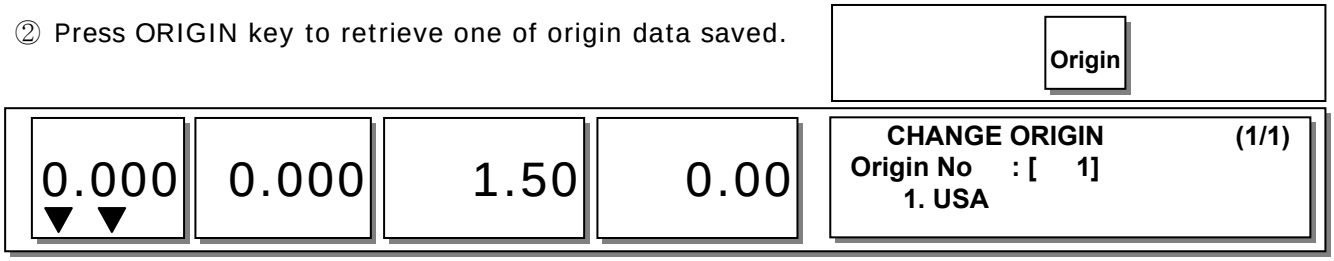
- To use EDIT SELL key, you have to set this key in menu 1880 of program mode. (See chapter 2.14.22)

3.16 How to Change Origin

① Call up a PLU.



② Press ORIGIN key to retrieve one of origin data saved.



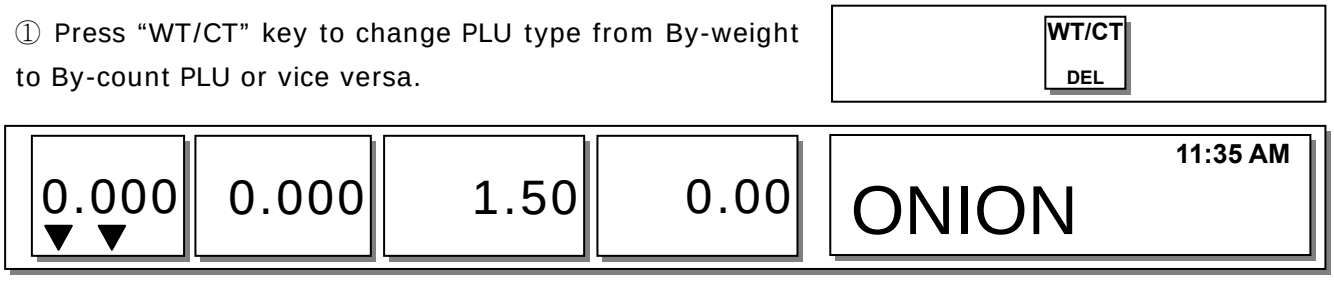
☞ **Note:**

- To use ORIGIN key, you have to set this key in menu 1880 of program mode. (See chapter 2.14.22)

3.17 How to Change PLU Type

Note : If you set “Save Type change” to “Y” in menu 1873 of program mode, changed PLU type is saved. (See chapter 2.14.21)

① Press “WT/CT” key to change PLU type from By-weight to By-count PLU or vice versa.



☞ If you change by-Weight PLU to by-count PLU, quantity is set 1 and unit price is same.

☞ If you change by-count PLU to by-weight PLU, unit price is same.

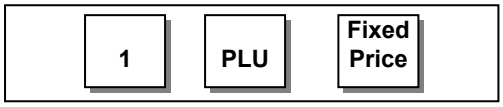
☞ If there is discount information in PLU, you can not change PLU type.

3.18 Direct Discount

If there is no discount information in PLU, you can use this function.

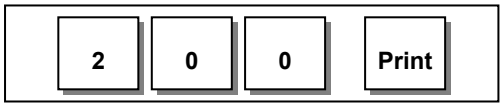
3.18.1 Fixed Price Key

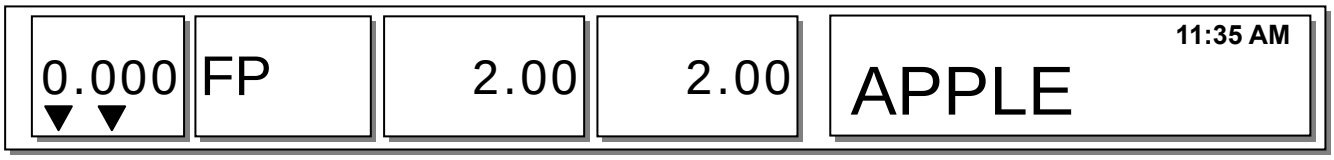
① Call up a PLU # 1 and press “Fixed Price” key.



② Press “Override Key”

③ Type fixed price 2.00 than press PRINT key



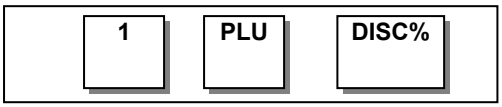


☞ **Note:**

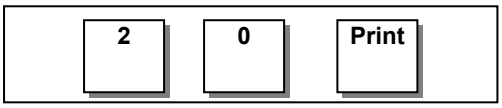
- To use Fixed Price Key, you have to set this key in menu 1880 of program mode. (See chapter 2.14.22)

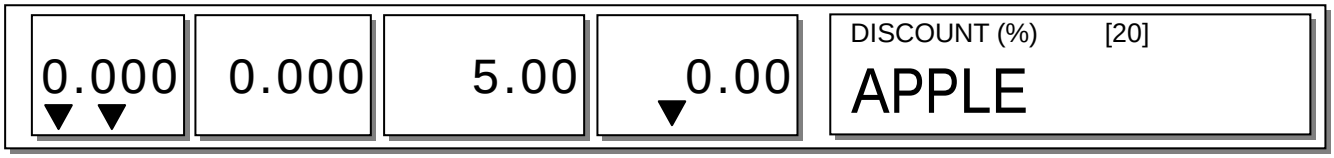
3.18.2 % Discount Price Key

① Call up a PLU(#1.APPLE) and press "%Discount" key

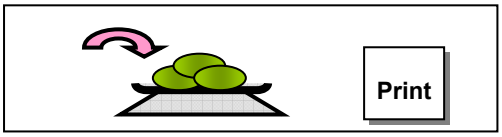


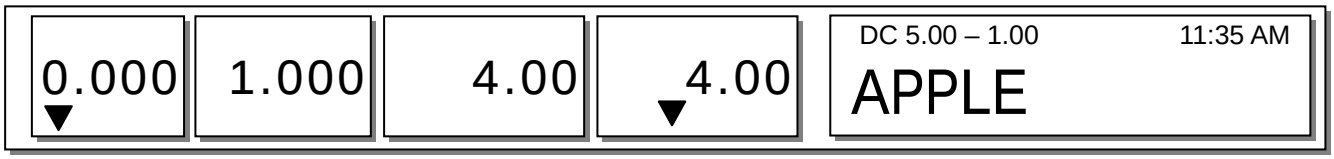
② Enter % amount to discount and press PRINT key
- Ex) 20%





③ Place item on the platter and press PRINT key.





☞ **Note:**

- To use % DISCOUNT key, you have to set this key in menu 1880 of program mode. (See chapter 2.14.22)

3.19 PLU Connection

3.19.1 Referenced PLU Function

If you press REFERENCE key after calling up a PLU which has reference information, reference will be shown on the display.

☞ To use this function, you have to set reference department and reference PLU when you create PLU.

3.19.2 Coupled PLU Function

Automatically coupled PLU is called up after transaction.

You can use this function when you sell two or more items as package.

☞ To use this function, you have to set coupled department and coupled PLU when you create PLU.

3.19.3 Linked PLU Function

You can use this function when you sell two or more items at a time.

☞ To use this function, you have to set linked department and linked PLU when you create PLU.

3.20 Sales Operation Control Parameters

3.20.1 Fixed Weight

- You can set fixed weight when you create PLU
  If you call up this PLU, the weight is not changed.
- You can use IN WEIGHT key.
  Call up a PLU and enter a fixed weight by using OVERRIDE key and press IN WEIGHT key.

3.20.2 Prepack Without Report

The transaction data is not added to report while using prepack mode.

- You have to set Parameter 597(Prepack report) to use this function. Also, Parameter 596 should be set to Y

4. Appendix

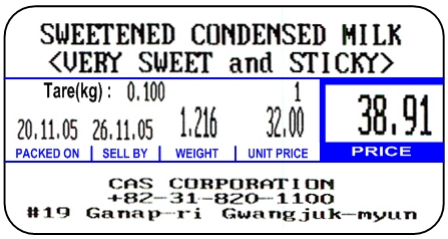
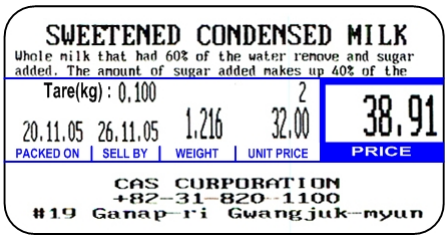
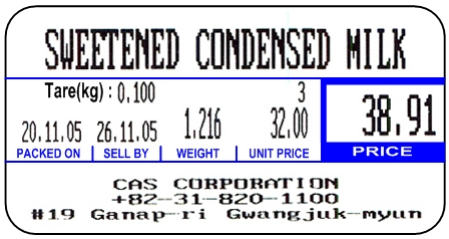
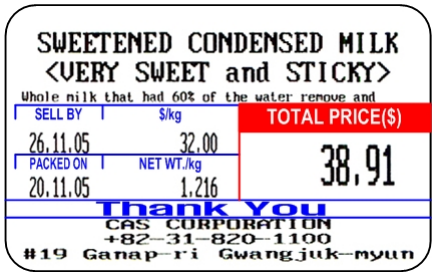
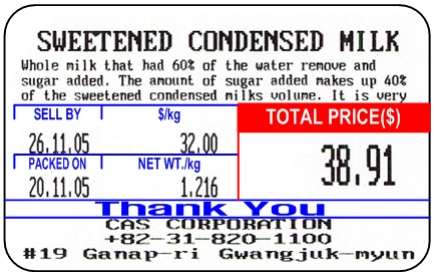
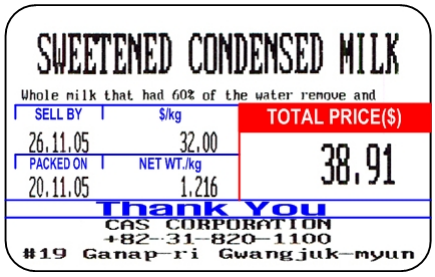
4.1 Label Format

There are fixed label format and user label format

	Fixed Label Format	User Label Format
No.	1~50	51~99
Quantity	45	20
Method	Built in CL5000	Download from PC
Features	You cannot edit format.	Using the PC program, you can program format numbers 51 to 99. In ticket mode, it is available to use Head/Tail format.

■ Fixed Label Format

No	Name	Width (mm)	Height (mm)	No	Name	Width (mm)	Height (mm)
1	IS6030-00001	60	30	24	IS5068-00024	50	68
2	IS6030-00002	60	30	25	IS5068-00025	50	68
3	IS6030-00003	60	30	26	IS5068-00026	50	68
4	IS5635-00004	56	35	27	IS6063-00027	60	63
5	IS5635-00005	56	35	28	IS6063-00028	60	63
6	IS5635-00006	56	35	29	IC6040-00029	60	40
7	IS6040-00007	60	40	30	IC6040-00030	60	40
8	IS6040-00008	60	40	31	IS6040-KR001	60	40
9	IS6040-00009	60	40	32	IS6030-KR002	60	30
10	IS6040-00010	60	40	33	IS6032-KR003	60	32
11	IS6040-00011	60	40	34	IS6060-KR004	60	60
12	IS6040-00012	60	40	35	IS6032-KR005	60	32
13	IS5040-00013	50	40	36	IS6042-KR006	60	42
14	IS5040-00014	50	40	37	IS6045-KR007	60	45
15	IS5040-00015	50	40	38	IS6050-KR008	60	50
16	IS5653-00016	56	53	39	IS6045-KR009	60	45
17	IS5653-00017	56	53	40	IS6040-KR010	60	40
18	IS5054-00018	50	54	41	IS6040-KR011	60	40
19	IS5054-00019	50	54	42	IS6045-KR012	60	45
20	IS6051-00020	60	51	43	IS6044-KR013	60	44
21	IS6051-00021	60	51	44	IS6055-KR014	60	55
22	IS6060-00022	60	60	45	IS6060-KR015	60	60
23	IS6060-00023	60	60				

1	2	3
		
4	**5**	**6**
		
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	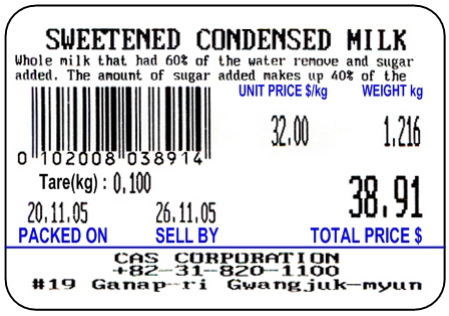	
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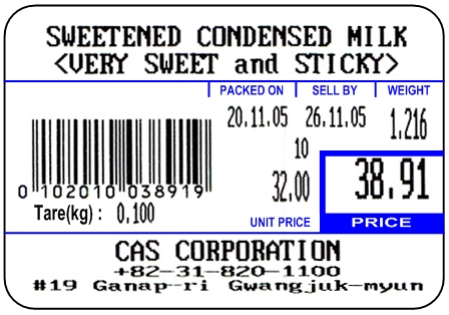	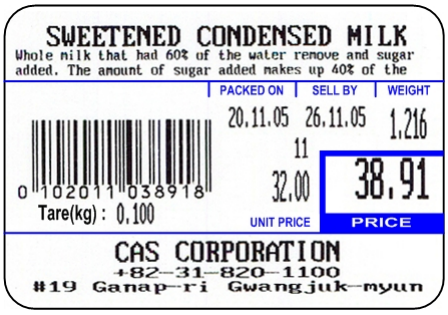	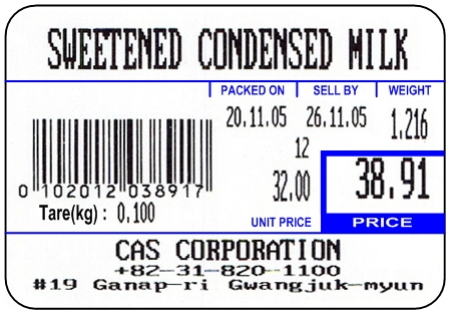

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	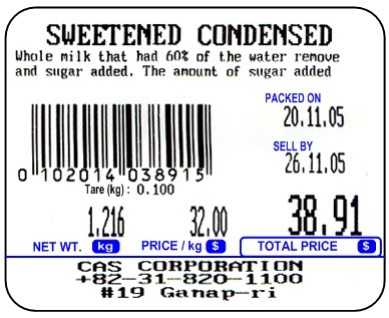	
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		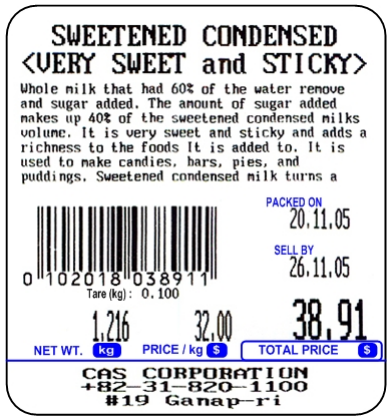
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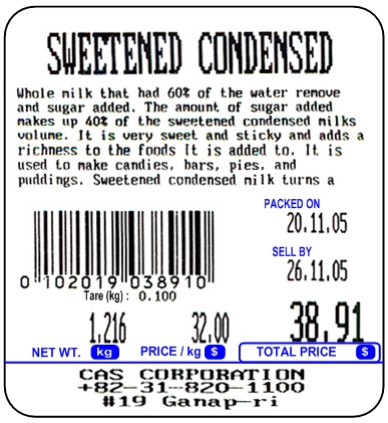		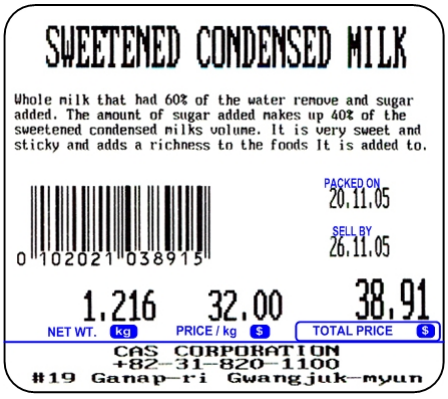

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	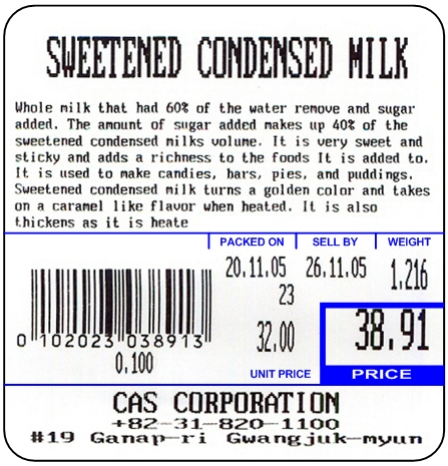	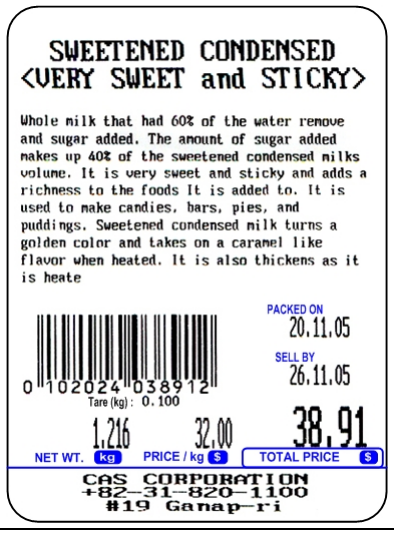
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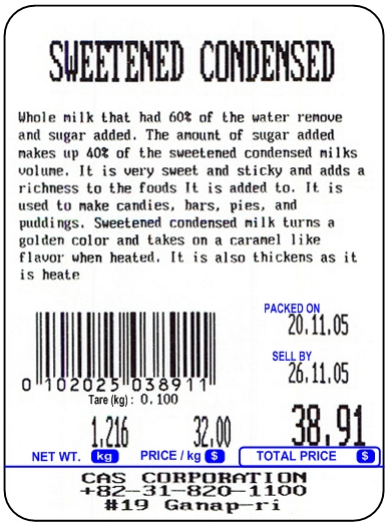	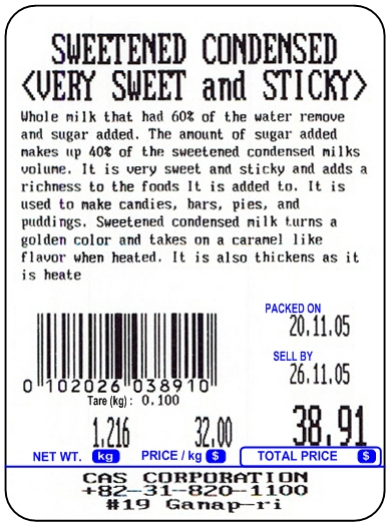	
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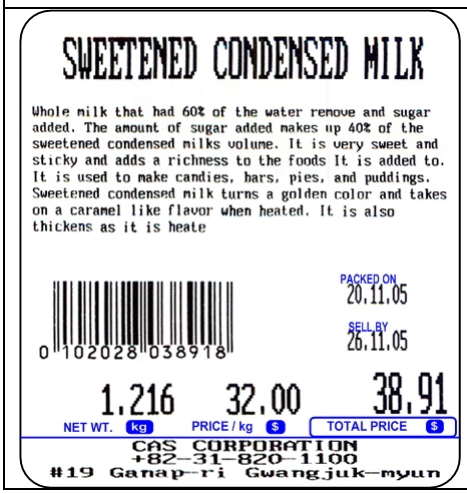
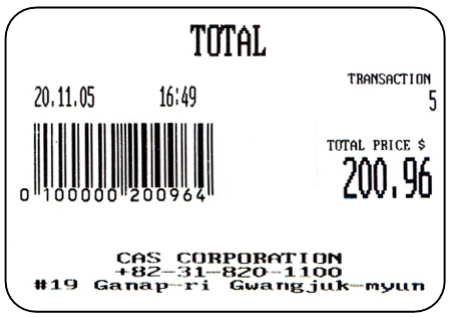
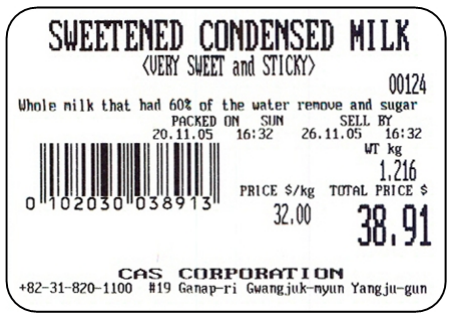
	 ***Total Label**	

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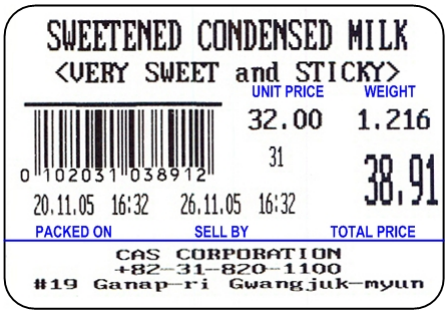	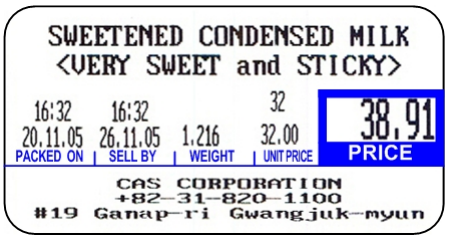	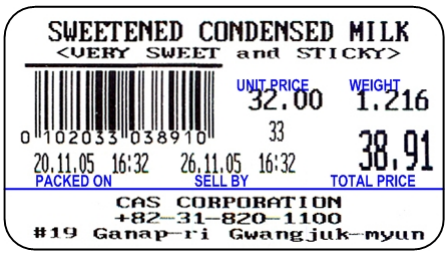
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		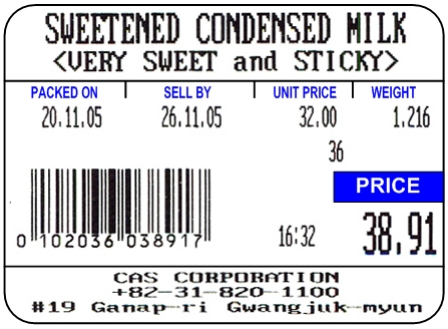
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		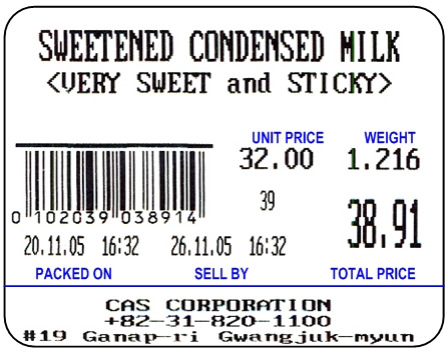
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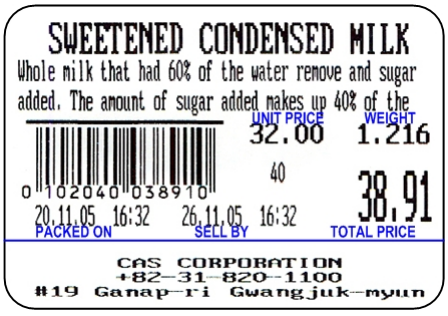
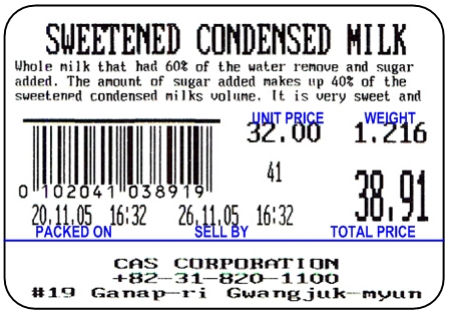
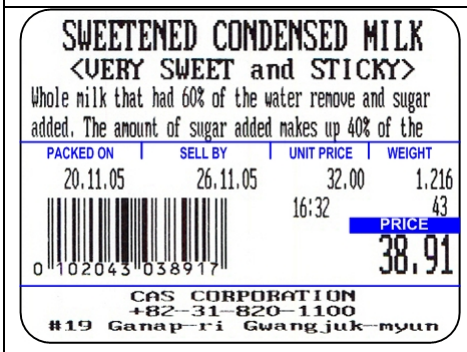
		

43	44	45
		

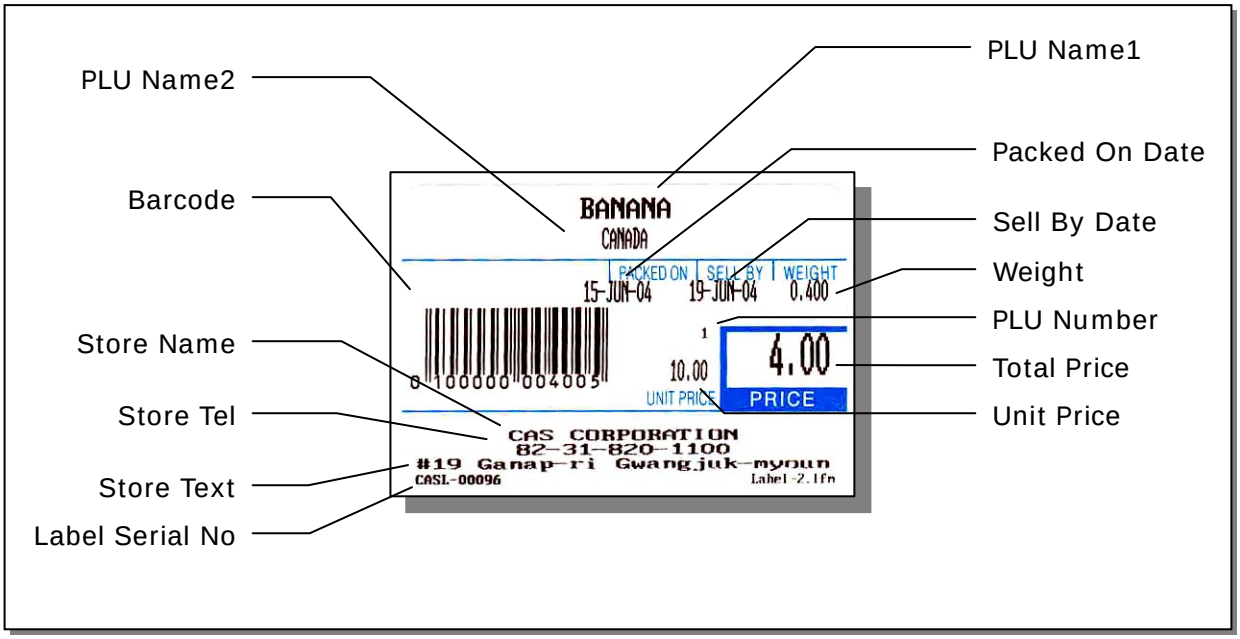
SWEETENED CONDENSED MILK
<VERY SWEET and STICKY>
Whole milk that had 60% of the water remove and sugar added. The amount of sugar added makes up 40% of the
PACKED ON
SELL BY
UNIT PRICE
WEIGHT
20.11.05
26.11.05
32.00
1.216
16:32
43
PRICE
38.91
0 102043 038917
CAS CORPORATION
+82-31-820-1100
#19 Ganap-ri Gwangjuk-myun

SWEETENED CONDENSED MILK
Whole milk that had 60% of the water remove and sugar added. The amount of sugar added makes up 40% of the sweetened condensed milks volume. It is very sweet and sticky and adds a richness to the foods It is added to.
PACKED ON
SELL BY
UNIT PRICE
WEIGHT
20.11.05
26.11.05
32.00
1.216
16:32
44
PRICE
38.91
0 102044 038916
CAS CORPORATION
+82-31-820-1100
#19 Ganap-ri Gwangjuk-myun

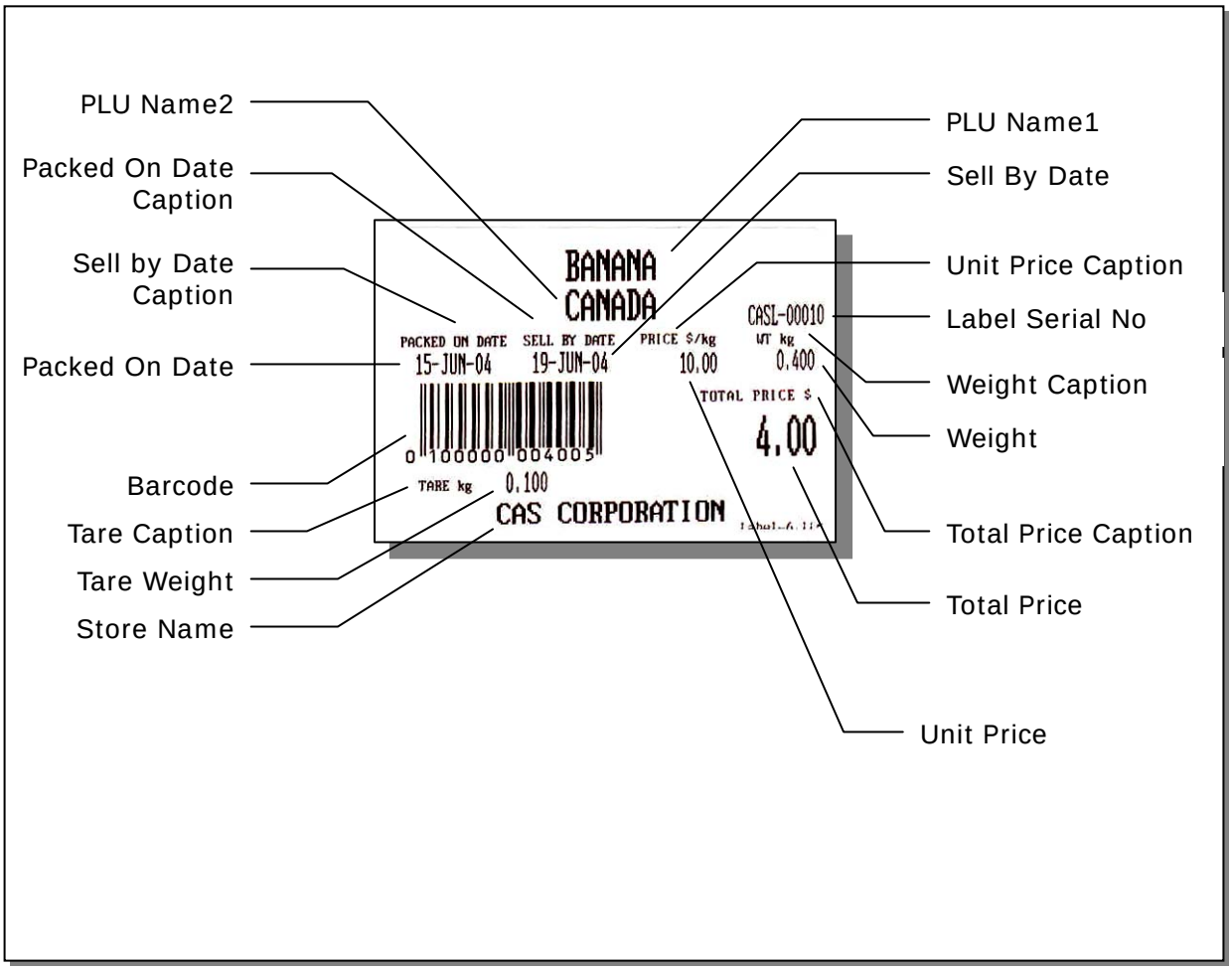
SWEETENED CONDENSED MILK
Whole milk that had 60% of the water remove and sugar added. The amount of sugar added makes up 40% of the sweetened condensed milks volume. It is very sweet and sticky and adds a richness to the foods It is added to. It is used to make candies, bars, pies, and puddings. Sweetened condensed milk turns a golden color and takes
PACKED ON
SELL BY
UNIT PRICE
WEIGHT
20.11.05
26.11.05
32.00
1.216
16:32
45
PRICE
38.91
0 102045 038915
CAS CORPORATION
+82-31-820-1100
#19 Ganap-ri Gwangjuk-myun

4.2 Label Format Sample

(1) Label Sample 1



(2) Label Sample 2



4.3 Label Field

Label Format has several fields and each field has own ID.

Item label print the information of each PLU sale and Total label print the information of grand total of PLUs. Item Label field is separate from Total Label field. But the information of store and clerk is common item.

4.3.1 Item Label Field

(1) Item Field

No	Item	Field ID	Description
1	Department Name	1	Print department name.
2	Department No	115	Print department number.
3	Group No	9	Print group number
4	PLU No	2	Print PLU number
5	PLU Name	10	Print PLU name1,2 and 3 in one field
6	PLU Name1	29	Print PLU name1,2 and 3. Depending on the setting of MENU 1862 “Print origin for comm. line”, Origin can be printed.
7	PLU Name2	30	
8	PLU Name3	31	
9	Item Code	11	Print item code
10	Prefix	3	Print prefix
11	Unit Weight	5	Print unit weight
12	Tax Rate	8	Print tax rate. It is printed with %.
13	Tax Price	111	Print tax price.
14	Tare Weight	13	Print tare weight.
15	Pieces	14	Print Piece for By-Pcs PLU
16	Qty Symbol	15	Print symbol of Quantity.
17	Sell By Date	16	Print sell by date.
18	Sell By Time	17	Print sell by time. If sell by time is 0, it is not printed
19	Packed On Date	18	Print packed on date.
20	Packed On Time	19	Print packed on time
21	Produced Date	20	Print produced date. If producted date is 0, it is not printed
22	Cook By Date	22	Print cook by date. If cook by date is o, it is not printed
23	Bonus Point	50	Print bonus point.
24	Origin	55	Print origin
25	Ingredient	25	Print ingredient
26	Sales Message	90	Print sales message
27	Reference Net Weight	100	Print net weight. In case of By-Count/By-Pcs PLU, net weight is printed when you print weight. In case of By-Weight PLU, net weight is printed when you use percent tare.
28	Reference Gross Weight	116	Print gross weight. In case of By-Weight PLU, gross weight is printed when you use percent tare.
29	Percent Tare	24	Print percent tare. It is printed with %.

30	Percent Tare Limit	23	Print percent tare limit. It is printed with %.
31	Weight	101	Print weight when it is not applied Markdown (By-Weight PLU)
32	Discount Weight	132	Print new weight when it is applied Markdown (By-Weight PLU)
33	Discount Weight (Mark Down)	108	Print previous weight when it is applied Markdown (By-Weight PLU)
34	Quantity	112	Print quantity when it is not applied Markdown (By-Count/By-Pcs PLU)
35	Discount Quantity	133	Print new quantity when it is applied Markdown (By-Count/By-Pcs PLU)
36	Discount Quantity (Mark Down)	134	Print previous quantity when it is applied Markdown (By-Count/By-Pcs PLU)
37	Unit Price	6	Print unit price when it is not applied Markdown
38	Discount Unit Price	113	Print new unit price when it is applied Markdown
39	Discount Unit Price (Mark Down)	118	Print previous unit price when it is applied Markdown.
40	Total Price	102	Print total price when it is not applied Markdown
41	Discount Total Price	114	Print new total price when it is applied Markdown
42	Discount Total Price (Mark Down)	110	Print previous total price when it is applied Markdown
43	Saved Price	131	Print saved price when it is discounted.
44	Label Serial	135	Print label serial number
45	Store Name	105	Print store name
46	Store Tel	138	Print Telephone numer of store
47	Store Text	139	Print information of store.
48	Clerk Number	128	Print clerk number
49	Clerk Name	106	Print clerk name
50	Customer Name	107	Print customer name
51	Customer Number	130	Print customer number
52	Scale Number	137	Print scale number
53	Day Of Week(Packed On)	117	Print Day Of Week(Packed On Date)
54	Currency Rate	119	Print Currency Rate
55	Second Currency Total Price	118	Print Second Currency Total Price
56	Second Currency Unit Price	120	Print Second Currency Unit Price

(2) Caption Field

No	Item	Field ID	Description
1	(C)Total Price	170	Print the caption of total price
2	(C)Unit Price	171	Print the caption of unit price
3	(C)Weight	172	Print the caption of weight (Only By-Weight PLU)
4	(C)Tare	173	Print the caption of tare weight
5	(C)Saved Price	174	Print the caption of saved price
6	(C)Regular Price	175	Print the caption of regular price
7	(C)Tax Price	176	Print the caption of tax price
8	(C)Packed On Date	177	Print the caption of packed on date
9	(C)Sell By Date	178	Print the caption of Sell By Date/Time if it is existed.
10	(C)Cook By Date	179	Print the caption of Cook By Date. If the value is 0, it is not printed.

11	(C)Produced Date	180	Print the caption of Produced Date. If the value is 0, it is not printed.
12	(C)Packed On Time	181	Print the caption of Packed On Time
13	(C)Sell By Time	182	Print the caption of Sell By Time. If the value is 0, it is not printed.
14	(C)Quantity	183	Print the caption of quantity. (By-Count/By-Pcs PLU)
15	(C)Reference	184	Print the caption of Traceability Reference
16	(C)Born In	185	Print the caption of Born In Country
17	(C)Bred In	186	Print the caption of Bred In Country
18	(C)Slaughtered In	187	Print the caption of Slaughter House
19	(C)Cut In	188	Print the caption of Cutting Hall.
20	(C)Net Weight	189	Print the caption of Net Weight
21	(C)Gross Weight	193	Print the caption of Gross Weight
22	(C)Percent Tare	194	Print the caption of Percent Tare
23	(C)Percent Tare Limit	195	Print the caption of Percent Tare Limit
24	(C)Second Currency Total Price	198	Print the caption of second currency total price
25	(C)Second Currency Unit Price	199	Print the caption of second currency unit price

(3) Traceability Field

No	Item	Field ID	Description
1	(T)Traceability No	35	Print Traceability Number
2	(T)Born in Country	36	Print Born In Country Name
3	(T)Bred in Country	37	Print Bred In Country Name
4	(T)Slaughter House	38	Print Slaughter House Name
5	(T)Slaughter Country	39	Print Slaughter House Country Name
6	(T)Cutting Hall	40	Print Cutting Hall Name
7	(T)Cutting Country	41	Print Cutting Hall Country Name
8	(T)Reference	42	Print Reference
9	(T)Born in Country No	43	Print Born In Country Number
10	(T)Bred in Country No	44	Print Bred In Country Number
11	(T)Slaughter House No	45	Slaughter House Number
12	(T)Cutting Hall No	46	Print Cutting Hall Number

(4) Nutrition Facts Field

No	Item	Field ID	Description
1	(N)Serving Size	140	Print Serving Size
2	(N)Servings Per	141	Print Servings Per Container
3	(N)Calories	142	Print Calories
4	(N)Calories From Fat	143	Print Calories From Fat
5	(N)Total Fat	144	Print Total Fat
6	(N)Saturated Fat	145	Print Saturated Fat
7	(N)Cholesterol	146	Print Cholesterol
8	(N)Sodium	147	Print Sodium
9	(N)Total Carbohydrates	148	Print Total Carbohydrates
10	(N)Dietary Fibers	149	Print Dietary Fibers
11	(N)Sugars	150	Print Sugars

12	(N)Protein	151	Print Protein
13	(N)Vitamin A	152	Print Vitamin A
14	(N)Calcium	153	Print Calcium
15	(N)Vitamin C	154	Print Vitamin C
16	(N)Iron	155	Print Iron
17	(N)Total Fat DV	156	Print Daily Value of Total Fat
18	(N)Saturated Fat DV	157	Print Daily Value of Saturated Fat
19	(N)Cholesterol DV	158	Print Daily Value of Colesterol.
20	(N)Sodium DV	159	Print Daily Value of Sodium
21	(N)Total Carbohydrates DV	160	Print Daily Value of Total Carbohydrates
22	(N)Dietary Fibers DV	161	Print Daily Value of Dietary Fibers
23	(N)Protein DV	162	Print Daily Value of Protein

4.3.2 Total Label Field

(1) Total Field

No	Item	Field ID	Description
1	(TOTAL)Total Price	201	Print total price
2	(TOTAL)Total Count	202	Print total number of item
3	(TOTAL)Void Price	203	Print voided price
4	(TOTAL)Void Count	204	Print voided number of
5	(TOTAL)Internal Tax Amount	205	Print internal tax price
6	(TOTAL)External Tax Amount	206	Print external tax price
7	(TOTAL)Total Price(Exclude Tax)	207	Print total price exclude tax
8	(TOTAL)Total Price(Include Tax)	211	Print total price include tax
9	(TOTAL)Payment Price	208	Print payment price
10	(TOTAL)Change Price	209	Print change price
11	(TOTAL)Current Date	103	Print current date
12	(TOTAL)Current Time	104	Print current time
13	(TOTAL)Total Tax Amount	210	Print total tax amount
14	(TOTAL)Second Currency Total Price	212	Print second currency total price
15	Store Name	105	Print store name
16	Store Tel	138	Print telephone number of store
17	Store Text	139	Print information of store
18	Clerk Number	128	Print clerk number
19	Clerk Name	106	Print clerk name
20	Customer Name	107	Print customer name
21	Customer ID	130	Print customer ID
22	Scale Number	137	Print scale number
23	Currency Rate	119	Print currency rate

(2) Caption Field

No	Item	Field ID	Description

1	(C)Total Count for Total Label	190	Print the caption of total Item number
2	(C)Payment Price for Total Label	191	Print the caption of payment
3	(C)Change Price for Total Label	192	Print the caption of change price
4	(C)Total Price for Total Label	196	Print the caption of total price
5	(C)Total Tax for Total Label	197	Print the caption of total tax price
6	(C)Second Currency Total Price for Total Label	200	Print the caption of second currency total price
7	(C)Void Price for Total Label	169	Print the cpatoin of void price

4.4 ASCII Code Table

Microsoft Window Codepage 1252

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00	NUL 0000	STX 0001	SOT 0002	ETX 0003	EOT 0004	ENQ 0005	ACK 0006	BEL 0007	BS 0008	HT 0009	LF 000A	VT 000B	FF 000C	CR 000D	SO 000E	SI 000F
10	DLE 0010	DC1 0011	DC2 0012	DC3 0013	DC4 0014	NAK 0015	SYN 0016	ETB 0017	CAN 0018	EM 0019	SUB 001A	ESC 001B	FS 001C	GS 001D	RS 001E	US 001F
20	SP 0020	! 0021	" 0022	# 0023	$ 0024	% 0025	& 0026	' 0027	(0028	) 0029	* 002A	+ 002B	, 002C	- 002D	. 002E	/ 002F
30	0 0030	1 0031	2 0032	3 0033	4 0034	5 0035	6 0036	7 0037	8 0038	9 0039	: 003A	; 003B	< 003C	= 003D	> 003E	? 003F
40	@ 0040	A 0041	B 0042	C 0043	D 0044	E 0045	F 0046	G 0047	H 0048	I 0049	J 004A	K 004B	L 004C	M 004D	N 004E	O 004F
50	P 0050	Q 0051	R 0052	S 0053	T 0054	U 0055	V 0056	W 0057	X 0058	Y 0059	Z 005A	[005B	\ 005C	] 005D	^ 005E	_ 005F
60	` 0060	a 0061	b 0062	c 0063	d 0064	e 0065	f 0066	g 0067	h 0068	i 0069	j 006A	k 006B	l 006C	m 006D	n 006E	o 006F
70	p 0070	q 0071	r 0072	s 0073	t 0074	u 0075	v 0076	w 0077	x 0078	y 0079	z 007A	{ 007B	| 007C	} 007D	~ 007E	DEL 007F
80	€ 20AC		‚ 201A	ƒ 0192	„ 201E	… 2026	† 2020	‡ 2021	ˆ 02C6	‰ 2030	Š 0160	‹ 2039	Œ 0152		Ž 017D	
90		‘ 2018	’ 2019	“ 201C	” 201D	• 2022	– 2013	— 2014	˜ 02DC	™ 2122	š 0161	› 203A	œ 0153		ž 017E	Ÿ 0178
A0	NBSP 00A0	¡ 00A1	¢ 00A2	£ 00A3	¤ 00A4	¥ 00A5	¦ 00A6	§ 00A7	¨ 00A8	© 00A9	ª 00AA	« 00AB	¬ 00AC	- 00AD	® 00AE	¯ 00AF
B0	° 00B0	± 00B1	² 00B2	³ 00B3	´ 00B4	µ 00B5	¶ 00B6	· 00B7	¸ 00B8	¹ 00B9	º 00BA	» 00BB	¼ 00BC	½ 00BD	¾ 00BE	¿ 00BF
C0	À 00C0	Á 00C1	Â 00C2	Ã 00C3	Ä 00C4	Å 00C5	Æ 00C6	Ç 00C7	È 00C8	É 00C9	Ê 00CA	Ë 00CB	Ì 00CC	Í 00CD	Î 00CE	Ï 00CF
D0	Ð 00D0	Ñ 00D1	Ò 00D2	Ó 00D3	Ô 00D4	Õ 00D5	Ö 00D6	× 00D7	Ø 00D8	Ù 00D9	Ú 00DA	Û 00DB	Ü 00DC	Ý 00DD	Þ 00DE	ß 00DF
E0	à 00E0	á 00E1	â 00E2	ã 00E3	ä 00E4	å 00E5	æ 00E6	ç 00E7	è 00E8	é 00E9	ê 00EA	ë 00EB	ì 00EC	í 00ED	î 00EE	ï 00EF
F0	ð 00F0	ñ 00F1	ò 00F2	ó 00F3	ô 00F4	õ 00F5	ö 00F6	÷ 00F7	ø 00F8	ù 00F9	ú 00FA	û 00FB	ü 00FC	ý 00FD	þ 00FE	ÿ 00FF

Note : To enter “A”, first you have to read 40 in a row and 01 in a column and type 41.